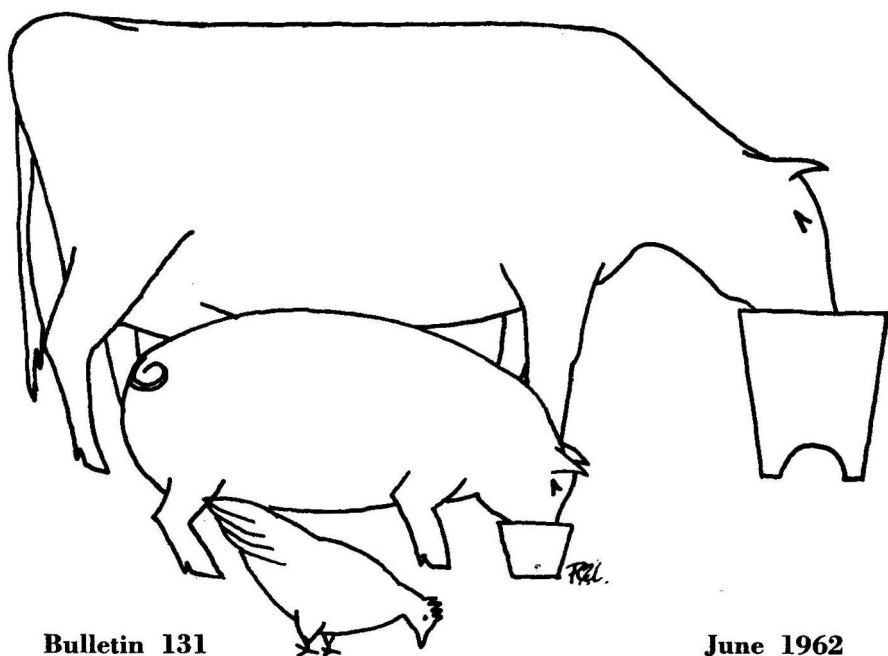


Report on Analysis of Official Commercial Feed Samples

January 1, 1961 – December 31, 1961



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REPORT ON ANALYSIS OF OFFICIAL COMMERCIAL FEED SAMPLES

JANUARY 1, 1961 - DECEMBER 31, 1961

INTRODUCTION

The Hawaii Feed Law is administered by the State Department of Agriculture (formerly the Board of Commissioners of Agriculture and Forestry).

The Hawaii Agricultural Experiment Station of the University of Hawaii cooperates, as the designated chemical laboratory, in the analysis of samples collected by the inspectors of the Department of Agriculture.

HAWAII FEED LAW

REGISTRATION AND LABELING

The Hawaii Feed Law requires that each commercial feed be registered before being distributed in this State or imported. A registration fee of \$10.00 is charged for each commercial feed registered and registration is effective for one year from January 1 to December 31. Custom-mixed feed and toll-milled feed are exempt from registration. The term "commercial feed" is defined by the law as all materials which are designed to be used for the purpose of feeding poultry, rabbits, and livestock other than dogs, cats or other domestic pets. It does not include unmixed whole seed and meals made directly from entire seeds, unground hay, whole or ground straw, silage, cobs, cane bagasse, stover and hulls when not mixed with

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other materials; or wet garbage; or individual chemical compounds when not mixed with other material; or unmixed feeding cane molasses and unmixed pineapple pulp.

Any commercial feed, other than custom-mixed or toll-milled feed, distributed in this State or imported shall be accompanied by a legible label bearing the following information: (1) the net weight, (2) the name or brand under which the commercial feed is sold, (3) the guaranteed analysis of the commercial feed, listing the minimum percentage of crude protein, minimum percentage of crude fat, maximum percentage of crude fiber, and maximum percentage of ash. For mineral feeds, the list shall include the following if added: minimum and maximum percentage of calcium (Ca), minimum percentage of phosphorus (P), minimum percentage of iodine (I), and minimum and maximum percentages of salt (NaCl), (4) the common or official name of each ingredient used in the manufacture of the commercial feed, except as the Department of Agriculture may, by regulation, permit the use of a collective term for a group of ingredients, all of which perform the same function, (5) the name and principal address of the person responsible for distributing the commercial feed.

CUSTOM-MIXED AND TOLL-MILLED FEEDS

The term "Custom-mixed feed" means a special commercial feed mixture which is formulated by the manufacturer or processor in accordance with the specific instructions of the final purchaser and contains feed material or materials wholly or partly supplied by such manufacturer or processor.

A custom-mixed feed shall be labeled by numbered invoice. The invoice, which is to accompany delivery and be supplied to the purchaser at the time of delivery, shall bear the following information: (1) name and address of the mixer, (2) name and address of the purchaser, (3) date of sale, (4) brand name and number of pounds of each registered commercial feed used in the mixture, and the name and number of pounds of each other feed ingredient added, and (5) the term "Custom-mixed feed".

The term "Toll-milled feed" is defined by law as a special feed which is processed by the processor (1) from material or materials entirely delivered by the owner thereof or his authorized agent, and (2) in accordance with the specific instructions of such owner, and which is not distributed.

A toll-milled feed shall be labeled with the term, "Toll-milled feed" together with the name and address of the owner thereof.

INSPECTION FEES

There is an inspection fee of 20 cents per ton for commercial mixed

feed and 10 cents per ton for commercial simple feed for all commercial feeds distributed or imported for use or sale in this State. Any distributor may pay an annual registration fee of \$25.00 for each brand of commercial feed distributed in individual packages of 10 pounds or less, and the distributor of such brands shall not be required to pay the inspection fee for such packages on the brands so registered. Custom-mixed feeds are exempt, if the inspection fee is paid on the commercial feeds which they contain. Toll-milled feeds are exempt.

Importers and distributors are required to file quarterly statements setting forth the number of net tons of commercial feeds distributed or imported in the State during the preceding calendar quarter.

RULES AND REGULATIONS

The State Department of Agriculture is empowered to promulgate and adopt such rules and regulations as may be necessary in order to administer this Act. Limitations on the use of minerals, urea, artificial color, drugs, food additives, etc., will be set forth under these regulations. Copies of the law, and proposed rules and regulations may be obtained from the Division of Marketing and Economics, Department of Agriculture, Honolulu 14, Hawaii.

The law mandates the State Department of Agriculture to publish a report on the results of the analyses of official samples of feeds distributed within the State as compared with the analyses guaranteed in the registration and on the label. This bulletin is published in conformance with Section 24-12 of the Hawaii Feed Law of 1959.

INSPECTION OF COMMERCIAL FEEDING STUFFS

It must not be assumed by the consumer that every brand which meets the manufacturer's guarantee is a high-grade feed. The nutritional value of commercial feeds varies with the ingredients and this report is not concerned with the nutritive quality of feed.

During the period, January 1, 1961 to December 31, 1961, authorized inspectors collected five hundred and eighty-six samples representing two hundred and fifty-four brands registered by forty-three companies. This report summarizes the results of analyses performed on these samples.

Table 1 shows the types of feeds, number of brands and number of samples taken.

Table 2 is a 10 year compilation of the number of samples analyzed per year and the number of samples and feed components which failed to meet the manufacturer's guarantee. Of the five hundred eighty-three samples subjected to proximate analysis, one hundred and seven samples, or 18.4 percent, failed to meet the manufacturers' guarantees in one or more constituents.

A feed is considered deficient if the crude protein or crude fat content is 0.5 percent lower than the manufacturer's guarantee, or if the crude fiber or ash content is 0.5 percent higher than the manufacturer's guarantee.

The types of feed and number of samples which failed to meet the manufacturers' guarantees during 1961 are shown in Table 3.

Table 4 is a list of the individual samples with the manufacturer's name, the brand name, the manufacturer's guarantee, and the percentages of feed components determined by analysis.

Ninety-four feed samples were analyzed for drug additives during 1961. The compounds determined were: acetyl (para-nitrophenyl) sulfanilamide; para-arsanilic acid; Furazolidone; Nicarbazine; 3-nitro-4-hydroxyphenyl arsonic acid; Sulfaquinoxaline. Results of these determinations are presented in Table 5.

TABLE 1. TYPE OF FEED, NUMBER OF BRANDS
AND
NUMBER OF SAMPLES INSPECTED DURING 1961

Type of Feed	No. of Brands	No. of Samples
Poultry	105	282
Cattle	84	180
Swine	42	83
Rabbit	9	18
Pigeon & Game bird	8	16
Horse	3	4
Mineral	3	3
Total	254	586

TABLE 2. NUMBER OF SAMPLES* AND COMPONENTS WHICH FAILED TO MEET THE
MANUFACTURER'S GUARANTEE**

Year	No. of Samples Analyzed	Samples Failed to Meet Guarantee		Protein Below Guarantee		Fat Below Guarantee		Fiber in Excess of Guarantee		Ash in Excess of Guarantee	
		No.	Percent	No.	Percent	No.	Percent	No.	Percent	No.	Percent
1961	583	107	18.4	55	9.4	27	4.6	12	2.0	22	3.8
1960***	724	118	16.3	59	8.1	23	3.2	10	1.4	44	6.1
1959****	509	122	24.0	50	9.8	22	4.3	19	3.7	31	6.1
1958-1959	557	99	17.8	37	6.6	18	3.2	24	4.3	20	3.6
1957-1958	607	102	16.8	51	8.3	23	3.5	19	3.1	29	4.8
1956-1957	474	49	10.3	30	6.3	12	2.5	1	0.2	14	3.0
1955-1956	449	77	17.2	46	10.2	16	3.6	5	1.1	18	4.0
1954-1955	627	70	11.2	44	7.0	8	1.3	4	0.6	21	3.3
1953-1954	623	50	8.0	24	13.9	3	0.5	4	0.6	20	3.2
1952-1953	618	103	16.7	79	12.8	7	1.1	7	1.1	22	3.6
1951-1952	569	58	10.2	37	6.5	1	0.2	1	0.2	25	4.4

* Mineral supplements and drug feeds are not included in this table.

** The total of the individual components (protein, fat, fiber, ash) is greater than the number of samples not meeting the guarantee. This is because there were instances of single samples failing to meet the guarantee in more than one component.

*** January 1960 to December 1960.

**** January 1959 to December 1959.

TABLE 3. TYPES OF FEED AND FEED COMPONENTS WHICH FAILED TO MEET
THE MANUFACTURER'S GUARANTEE DURING 1961 INSPECTION

Type of Feed	No. of Samples Analyzed	Samples Failed to Meet Guarantee		Protein Below Guarantee		Fat Below Guarantee		Fiber in Excess of Guarantee		Ash in Excess of Guarantee	
		No.	Percent	No.	Percent	No.	Percent	No.	Percent	No.	Percent
Poultry	282	46	16.3	26	9.2	14	5.0	3	1.1	5	1.8
Cattle	180	43	23.9	18	10.0	9	5.0	7	3.9	15	8.3
Swine	83	12	14.4	9	10.8	2	2.4	2	2.4	0	0.0
Rabbit	18	1	5.6	0	0.0	0	0.0	0	0.0	1	5.6
Pigeon & Game bird	16	5	31.2	2	12.5	2	12.5	0	0.0	1	6.2
Horse	4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	583	107		55		27		12		22	

TABLE 4. TABULATION OF COMMERCIAL FEED SAMPLES
ANALYZED FROM JANUARY 1 TO DECEMBER 31, 1961

Determinations 0.5 percent or more below manufacturer's guarantee in protein and fat, and 0.5 percent or more in excess of guarantee in crude fiber and ash are indicated by an underline.

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
POULTRY FEEDS					
<u>Albers Milling Company</u> <u>Los Angeles, California</u>					
Albers Broiler Finisher, Medicated	G	21.0	4.0	5.0	10.0
	F	20.9	4.8	4.1	7.9
Albers Broiler Finisher, Medicated	G	21.0	4.0	5.0	10.0
	F	<u>20.4</u>	5.3	4.2	7.4
Albers Broiler Finisher, Medicated	G	21.0	4.0	5.0	10.0
	F	21.7	5.8	4.0	6.2
Albers Broiler Finisher, Medicated	G	20.0	5.0	5.0	10.0
	F	20.6	5.2	2.8	8.0
Albers Broiler Finisher, Medicated	G	20.0	5.0	5.0	10.0
	F	20.6	6.5	3.0	5.6
Albers Broiler Finisher, Medicated	G	20.0	5.0	5.0	10.0
	F	21.4	5.9	2.9	9.3
Albers Broiler Finisher, Medicated	G	20.0	5.0	4.0	9.0
	F	24.6	5.5	3.6	8.5
Albers Broiler Ration, Medicated	G	21.0	4.0	5.0	10.0
	F	21.4	4.1	3.4	8.0
Albers Broiler Ration, Medicated	G	21.0	4.0	5.0	10.0
	F	<u>20.0</u>	5.1	3.3	8.2
Albers Broiler Ration, Medicated	G	21.0	4.0	5.0	10.0
	F	22.6	4.5	3.4	7.0
Albers Broiler Starter, Medicated	G	24.0	6.0	5.0	10.0
	F	23.7	<u>5.1</u>	3.4	8.8

* G - guarantee; F - found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Albers Broiler Starter, Medicated	G	24.0	6.0	5.0	10.0
	F	<u>23.1</u>	6.1	3.2	8.4
Albers Broiler Starter, Medicated	G	24.0	6.0	5.0	10.0
	F	<u>23.5</u>	9.0	3.5	9.7
Albers Broiler Starter, Medicated	G	23.0	5.0	4.0	10.0
	F	24.1	6.8	3.6	8.2
Albers Broiler Starter, Medicated	G	23.0	5.0	4.0	10.0
	F	25.1	5.3	3.9	7.4
Albers Broiler Starter, Medicated	G	23.0	5.0	4.0	10.0
	F	23.4	5.4	3.7	5.7
Albers Broiler Starter, Medicated	G	23.0	5.0	4.0	10.0
	F	24.4	5.2	3.0	7.0
Albers Chick Starter Mash, Medicated	G	20.0	4.0	5.0	10.0
	F	21.9	4.9	4.1	5.6
Albers Chick Starter Mash, Medicated	G	20.0	4.0	5.0	10.0
	F	21.1	4.0	3.4	6.1
Albers Chick Starter Mash, Medicated	G	20.0	4.0	5.0	10.0
	F	19.6	5.0	3.1	5.2
Albers Chick Starter Mash, Medicated	G	20.0	4.0	5.0	10.0
	F	21.5	4.1	3.5	9.2
Albers Chick Starter Mash, Medicated	G	20.0	4.0	5.0	10.0
	F	20.1	4.1	4.0	7.6
Albers Chick Starter Mash, Medicated	G	20.0	4.0	5.0	9.0
	F	<u>17.8</u>	4.1	3.9	8.3
Albers Chick Starter Pakettes, Medicated	G	20.0	4.0	5.0	9.0
	F	19.8	4.6	3.5	8.3
Albers Chick Starter Pakettes, Medicated	G	20.0	4.0	5.0	10.0
	F	<u>19.1</u>	4.9	2.9	10.0
Albers Cracked Corn	G	8.5	2.5	3.0	2.0
	F	8.2	<u>2.0</u>	1.1	1.3

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Albers Cracked Corn	G	8.5	2.5	3.0	2.0
	F	8.5	3.6	0.9	1.1
Albers Cracked Corn	G	8.5	2.5	3.0	2.0
	F	8.3	2.2	1.2	0.8
Albers Cracked Corn	G	10.0	2.5	3.0	2.0
	F	10.4	3.4	1.5	1.5
Albers Crowd	G	20.0	3.5	8.0	8.0
	F	21.1	3.6	5.0	7.4
Albers Crowd	G	20.0	3.5	8.0	8.0
	F	21.0	3.7	5.4	7.0
Albers Crowd	G	20.0	3.5	8.0	8.0
	F	<u>19.5</u>	3.4	3.5	7.5
Albers Egg Maker 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	18.2	<u>3.0</u>	4.0	13.0
Albers Egg Maker 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	19.1	3.5	4.9	11.9
Albers Egg Maker 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	17.6	3.6	3.8	10.7
Albers Egg Maker 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	19.8	4.2	4.8	10.7
Albers Egg Maker 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	18.0	3.7	3.6	11.7
Albers Egg Maker 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	19.7	4.6	4.2	10.3
Albers Egg Maker 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	20.0	5.4	4.7	9.4
Albers Egg Maker 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	22.4	3.4	6.0	11.7
Albers Egg Maker 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	18.8	4.5	5.2	11.4

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Albers Egg Maker 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	19.2	5.0	3.4	8.7
Albers Fitting Ration	G	14.0	3.5	10.0	10.0
	F	14.8	3.4	5.1	6.5
Albers Fitting Ration	G	14.0	3.5	10.0	10.0
	F	16.1	3.3	5.4	6.2
Albers Fitting Ration	G	14.0	3.5	10.0	10.0
	F	17.3	<u>2.8</u>	5.3	6.5
Albers Fitting Ration	G	14.0	3.5	10.0	10.0
	F	16.8	<u>2.7</u>	4.7	6.5
Albers Fitting Ration	G	14.0	3.0	10.0	12.0
	F	17.7	2.7	5.7	7.6
Albers Ground Corn	G	8.5	2.5	3.0	2.0
	F	8.5	4.3	1.9	1.2
Albers Ground Corn	G	10.0	2.5	3.0	2.0
	F	10.3	3.9	2.2	1.8
Albers Hen Scratch 50-50	G	9.0	2.5	4.0	3.0
	F	10.0	3.2	1.9	1.5
Albers Layer 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	16.6	3.2	3.9	12.8
Albers Layer 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	<u>15.6</u>	3.8	3.7	12.5
Albers Layer 17 with 2% Granite Grit	G	17.0	3.5	6.0	14.0
	F	17.7	3.9	4.0	13.7
Albers Medicated Korect	G	24.0	3.5	6.0	10.0
	F	25.3	4.6	4.5	7.9
Albers Medicated Korect	G	24.0	3.5	6.0	10.0
	F	23.9	3.7	5.1	9.4
Albers Medicated Korect	G	24.0	4.0	5.0	10.0
	F	26.3	<u>3.3</u>	4.9	8.0

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Albers Medicated Potent-e-ade	G	22.0	6.0	5.0	8.0
	F	25.2	<u>4.3</u>	4.4	5.7
Albers Medicated Potent-e-ade	G	22.0	6.0	5.0	8.0
	F	25.1	6.2	3.8	6.3
Albers Medicated Potent-e-ade	G	22.0	6.0	5.0	8.0
	F	25.5	6.1	4.1	5.4
Albers Medicated Potent-e-ade	G	22.0	6.0	5.0	8.0
	F	27.3	<u>4.9</u>	4.5	5.0
Albers Medicated Potent-e-ade	G	22.0	6.0	5.0	8.0
	F	26.4	<u>5.3</u>	3.8	5.4
Albers Medicated Prestarter Potent-e-ade	G	22.0	4.5	5.0	10.0
	F	<u>20.6</u>	4.7	4.3	7.6
Albers Poultry Breeder 17	G	17.0	3.5	6.0	14.0
	F	17.2	3.3	3.3	10.1
Albers Poultry Breeder 17	G	17.0	3.5	6.0	14.0
	F	17.8	4.8	3.4	7.9
Albers Poultry Wormer	G	20.0	3.5	5.0	11.0
	F	21.1	4.5	3.4	7.1
Albers Poultry Wormer	G	20.0	3.5	5.0	11.0
	F	21.6	4.4	4.3	5.8
Albers Poultry Wormer	G	20.0	3.5	5.0	11.0
	F	23.2	4.1	4.0	6.8
Albers Pullet Finisher 16%, Medicated	G	16.0	3.0	9.0	11.0
	F	16.0	3.2	6.3	10.4
Albers Pullet Finisher 16%, Medicated	G	16.0	3.0	9.0	11.0
	F	18.5	3.4	6.3	<u>13.0</u>
Albers Pullet Finisher 16%, Medicated	G	16.0	3.0	9.0	11.0
	F	16.7	3.6	6.2	10.7
Albers Pullet Finisher 16%, Medicated	G	16.0	3.0	9.0	11.0
	F	16.9	3.2	4.9	7.4

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Albers Pullet Finisher 16%, Medicated	G	16.0	3.0	9.0	11.0
	F	16.6	4.2	4.3	7.5
Albers Pullet Finisher 16%, Medicated	G	16.0	3.0	9.0	11.0
	F	18.4	4.6	4.8	5.8
Albers Pullet Finisher 16%, Medicated	G	16.0	3.0	9.0	11.0
	F	19.4	3.8	3.8	9.2
Albers Pullet Maker, Medicated	G	17.0	3.0	7.5	11.0
	F	17.3	3.1	6.0	9.9
Albers Pullet Maker, Medicated	G	17.0	3.0	7.5	11.0
	F	16.6	3.4	5.1	10.4
Albers Pullet Maker, Medicated	G	17.0	3.0	7.5	11.0
	F	17.1	3.7	5.4	9.8
Albers Pullet Maker, Medicated	G	17.0	3.0	7.5	11.0
	F	17.8	3.5	6.2	7.8
Albers Pullet Maker, Medicated	G	17.0	3.0	7.5	11.0
	F	16.9	3.7	4.9	9.8
Albers Pullet Maker, Medicated	G	17.0	3.0	7.5	11.0
	F	16.8	4.0	4.0	9.4
Albers Pullet Maker, Medicated	G	17.0	3.0	7.5	11.0
	F	18.4	4.6	5.1	7.4
Albers Pullet Maker, Medicated	G	17.0	3.0	7.5	11.0
	F	17.4	3.8	4.3	6.4
Albers Pullet Maker, Medicated	G	17.0	3.0	7.5	11.0
	F	20.3	4.6	3.4	6.3
Albers 50-50 Scratch Feed	G	9.0	2.5	4.0	3.0
	F	9.7	2.7	1.6	1.3
Albers 50-50 Scratch Feed	G	9.0	2.5	4.0	3.0
	F	10.1	2.9	1.9	1.3
Albers 50-50 Scratch Feed	G	9.0	2.5	4.0	3.0
	F	9.9	2.6	1.8	1.4

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Albers 50-50 Scratch Feed	G	9.0	2.5	4.0	3.0
	F	9.7	2.7	2.0	1.4
Albers Similene 17, Medicated	G	17.0	3.5	5.5	10.0
	F	17.8	4.2	3.2	8.6
Albers Trip-L-Duty	G	16.0	3.5	6.0	12.0
	F	15.6	4.0	3.8	10.9
Albers Trip-L-Duty	G	16.0	3.5	6.0	12.0
	F	<u>15.4</u>	4.0	3.6	9.0
Albers Trip-L-Duty	G	16.0	3.5	6.0	12.0
	F	15.8	3.7	3.4	8.6
Albers Trip-L-Duty	G	16.0	3.5	6.0	12.0
	F	<u>14.5</u>	4.5	3.7	7.8
Albers Trip-L-Duty	G	16.0	3.5	6.0	12.0
	F	16.5	4.6	3.4	8.3
Albers Trip-L-Duty	G	16.0	3.5	6.0	12.0
	F	<u>15.5</u>	5.2	4.4	6.7
Albers Trip-L-Duty	G	16.0	3.5	6.0	12.0
	F	18.9	4.4	3.2	8.4
Albers Turkey Starter, Medicated	G	26.0	4.0	5.0	10.0
	F	28.5	5.3	2.8	7.4
Diamond Brand 20% Broiler and Fryer Mash, Medicated	G	20.0	4.5	3.5	7.5
	F	<u>19.5</u>	<u>4.0</u>	3.2	7.0
<u>California Milling Corporation</u> <u>Los Angeles, California</u>					
Ace-Hi All Age Mash	G	17.0	3.5	6.0	18.0
	F	16.8	4.2	5.6	11.2
Ace-Hi Big Feeder Mash (with 3% Oyster Shell-2% Granite Grit)	G	16.0	3.0	6.0	12.0
	F	19.0	3.5	4.4	10.0
Ace-Hi Broiler & Fryer	G	20.0	4.0	5.0	9.0
	F	20.9	5.7	4.2	7.4

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Ace-Hi Cage Lay Kracketts (with 2% Grit - 2% Oyster Shell)	G	18.0	3.0	6.0	10.0
	F	18.7	5.7	4.3	11.2
Ace-Hi Cage Lay Mash (with 2% Grit - 2% Oyster Shell)	G	18.0	3.0	6.0	10.0
	F	18.7	4.6	5.2	11.5
Ace-Hi 300 G Kracketts	G	22.0	3.5	6.0	12.0
	F	24.4	6.6	4.0	7.8
Ace-Hi Laying Mash	G	20.0	3.0	6.0	10.0
	F	19.8	5.4	5.2	8.2
Ace-Hi Primer Kracketts	G	16.0	3.5	5.0	8.0
	F	17.4	4.4	4.9	6.8
Ace-Hi Pullet Growing Mash	G	17.0	4.0	6.0	9.0
	F	18.1	4.4	4.7	7.9
Ace-Hi Pullet Growing Mash	G	17.0	4.0	6.0	9.0
	F	17.5	4.3	5.1	8.1
Ace-Hi Pullet Starter Mash	G	21.0	5.0	5.0	9.0
	F	21.1	6.2	4.5	7.8
Ace-Hi Pullet Starter Mash	G	21.0	5.0	5.0	9.0
	F	22.2	5.1	4.4	8.8
Ace-Hi Sulfaquinoxaline Mix, Ace-Hi Quik Gro Mash	G	23.0	5.0	4.0	9.0
	F	20.7	9.7	3.3	7.7
Ace-Hi Sulfaquinoxaline Mix, Ace-Hi Quik Gro Mash	G	23.0	5.0	4.0	9.0
	F	22.8	9.5	3.1	7.5
Ace-Hi 50-50 Scratch Feed	G	10.0	2.5	3.0	3.0
	F	9.9	2.9	1.9	1.5
Ace-Hi 50-50 Scratch Feed	G	10.0	2.5	3.0	3.0
	F	10.1	2.9	1.7	1.1
<u>Fisher Flouring Mills Co.</u>					
<u>Seattle, Washington</u>					
Fisher's All-Age Krumbles	G	17.0	3.5	7.0	8.0
	F	18.6	4.1	6.9	7.4

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Fisher's Broiler Finisher Krumbles, Medicated	G	16.0	5.5	4.0	7.0
	F	16.3	<u>4.4</u>	3.5	6.3
Fisher's Commercial Broiler and Starter Krumbles, Medicated	G	21.0	5.5	3.5	9.0
	F	20.7	<u>4.7</u>	3.1	7.0
Fisher's Commercial Broiler and Starter Krumbles, Medicated	G	21.0	5.5	3.5	9.0
	F	21.0	<u>4.3</u>	3.1	7.2
Fisher's Developer Complete Krumbles, Medicated	G	15.0	3.5	8.5	9.0
	F	15.1	4.0	6.7	7.0
Fisher's Developer Complete Krumbles, Medicated	G	15.0	3.5	8.5	9.0
	F	15.8	4.0	7.3	8.9
Fisher's Developer Complete Krumbles, Medicated	G	15.0	3.5	8.5	9.0
	F	15.4	4.1	8.1	7.6
Fisher's Developer Complete Krumbles, Medicated	G	15.0	3.5	8.5	9.0
	F	15.7	3.9	7.2	5.8
Fisher's Laymore Complete Krumbles	G	17.0	3.0	6.0	11.0
	F	17.3	3.8	4.8	10.2
Fisher's Laymore Complete Krumbles	G	17.0	3.5	6.0	11.0
	F	17.0	4.2	5.5	8.9
Fisher's Laymore Krumbles	G	17.0	3.5	6.0	11.0
	F	<u>16.1</u>	3.9	5.6	10.2
Fisher's Medicated Booster Krumbles	G	16.0	3.0	8.0	9.0
	F	17.7	4.5	5.7	7.5
Fisher's Savetime Chick Krumbles, Medicated	G	18.0	3.5	7.0	8.0
	F	17.6	4.2	4.9	7.5
Fisher's Savetime Chick Krumbles, Medicated	G	18.0	3.5	7.0	8.0
	F	18.2	4.2	6.0	7.4
Fisher's Savetime Chick Krumbles, Medicated	G	18.0	3.5	7.0	8.0
	F	19.3	4.2	5.2	8.4
Fisher's Scratch Pellets	G	12.0	3.5	3.5	5.0
	F	11.6	3.4	2.9	4.3

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Fisher's Two Way Scratch	G	10.0	2.0	3.0	2.5
	F	10.1	3.1	2.1	1.8
Fisher's Two Way Scratch	G	10.0	2.0	3.0	2.5
	F	10.2	2.9	2.1	1.4
<u>General Mills, Inc.</u> <u>Honolulu, Hawaii</u>					
Cracked Corn	G	9.0	3.0	2.0	2.0
	F	9.2	3.0	1.5	1.1
Cracked Corn	G	9.0	3.0	2.0	2.0
	F	9.2	3.9	1.6	1.2
Larro 0.007% Dienstrol Diacetate Mix in Sureroaster 16 (NCB-AGS), Medicated	G	16.0	2.5	3.0	6.0
	F	16.2	3.5	3.3	5.3
Larro 0.007% Dienstrol Diacetate Mix in Sureroaster 16 (NCB-AGS), Medicated	G	16.0	2.5	3.0	6.0
	F	16.9	3.7	2.6	4.4
Larro 0.007% Dienstrol Diacetate Mix in Sureroaster 16 (NCB-AGS), Medicated	G	16.0	2.5	3.0	6.0
	F	17.4	3.4	3.2	4.4
Larro 0.007% Dienstrol Diacetate Mix in Sureroaster 16 (NCB-AGS), Medicated	G	16.0	2.5	3.0	6.0
	F	16.8	3.4	3.1	5.3
Larro 0.007% Dienstrol Diacetate Mix in Sureroaster 16 (NCB-AGS), Medicated	G	16.0	2.5	3.0	6.0
	F	17.7	3.4	3.1	4.4
Larro 0.007% Dienstrol Diacetate Mix in Sureroaster 16 (NCB-AGS), Medicated	G	16.0	2.5	3.0	6.0
	F	16.1	3.7	3.0	4.7
Larro Medicated Surebroiler Surelift	G	23.0	6.5	3.0	5.0
	F	24.2	8.2	2.6	4.2

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Larro Medicated Surelift 27%	G	27.0	5.5	3.5	7.0
	F	27.9	5.8	3.0	6.8
Larro Medicated Surelift 27%	G	27.0	5.5	3.5	7.0
	F	<u>24.9</u>	7.0	3.2	7.4
Larro Medicated Surelift 27%	G	27.0	5.5	3.5	7.0
	F	29.3	6.6	2.9	6.6
Larro Medicated Surestart (AGS)	G	19.0	4.0	2.5	7.0
	F	19.0	<u>3.5</u>	1.8	5.7
Larro Medicated Surestart (AGS)	G	19.0	3.5	2.5	7.0
	F	18.6	5.0	2.4	5.4
Larro Medicated Surestart (AGS)	G	19.0	3.5	2.5	7.0
	F	19.5	5.2	2.1	5.3
Larro Scratch Grains	G	9.5	2.0	4.0	2.0
	F	9.7	2.4	1.8	1.2
Larro Scratch Grains	G	9.5	2.0	4.0	2.0
	F	9.5	2.3	1.8	1.3
Larro Scratch Grains	G	9.5	2.0	4.0	2.0
	F	9.4	2.6	1.6	1.3
Larro Sureall	G	16.0	3.5	7.5	10.0
	F	15.8	4.2	5.3	9.3
Larro Sureall	G	16.0	3.5	7.5	10.0
	F	16.5	4.3	4.9	7.6
Larro Sureall	G	16.0	3.5	7.5	10.0
	F	17.4	5.1	5.3	9.3
Larro Surebroiler Finisher 19 (ZOL) Medicated	G	19.0	5.0	3.5	6.0
	F	21.1	6.9	3.8	5.8
Larro Surebroiler Finisher 21 (AMP) Medicated	G	21.0	6.0	3.0	6.0
	F	20.8	7.0	3.2	5.3
Larro Surebroiler Finisher 21 (AMP) Medicated	G	21.0	6.0	3.0	6.0
	F	21.1	7.4	3.2	5.4

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Larro Surebroiler Finisher 21	G	21.0	5.0	3.0	6.0
(AMP) Medicated	F	23.0	4.6	3.1	5.1
Larro Surebroiler Finisher 21	G	21.0	6.0	3.0	6.0
(ZOL) Medicated	F	<u>19.6</u>	7.3	2.9	5.3
Larro Surebroiler Finisher 21	G	21.0	6.0	3.0	6.0
(ZOL) Medicated	F	22.0	7.4	3.0	6.0
Larro Surebroiler Finisher 21	G	21.0	6.0	3.0	6.0
(ZOL) Medicated	F	21.6	7.5	3.4	5.5
Larro Surebroiler Finisher 21	G	21.0	6.0	3.0	6.0
(ZOL) Medicated	F	21.3	7.0	3.1	5.1
Larro Surebroiler Finisher 21	G	21.0	6.0	3.0	6.0
(ZOL) Medicated	F	<u>19.9</u>	7.5	3.1	5.8
Larro Surebroiler Finisher 21	G	21.0	6.0	3.0	6.0
(ZOL) Medicated	F	21.5	6.8	3.0	4.5
Larro Surebroiler Starter 23	G	23.0	6.0	3.0	6.0
(AMP) Medicated	F	24.6	6.7	3.0	5.6
Larro Surebroiler Starter 23	G	23.0	6.0	3.0	6.0
(AMP) Medicated	F	23.1	7.7	2.3	5.3
Larro Surebroiler Starter 23	G	23.0	6.0	3.0	6.0
(AMP) Medicated	F	24.6	7.0	3.1	5.8
Larro Surebroiler Starter 23	G	23.0	6.0	3.0	6.0
(AMP) Medicated	F	23.8	7.4	3.1	5.4
Larro Surebroiler Starter 23	G	23.0	6.0	3.0	6.0
(AMP) Medicated	F	26.3	7.5	3.2	5.8
Larro Surebroiler Starter 23	G	23.0	6.0	3.0	6.0
(ZOL) Medicated	F	23.1	8.3	2.7	6.2
Larro Surebroiler Starter 23	G	23.0	6.0	3.0	6.0
(ZOL) Medicated	F	23.1	7.2	2.8	6.3
Larro Surebroiler Starter 23	G	23.0	6.0	3.0	6.0
(ZOL) Medicated	F	22.6	6.7	3.3	5.5

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Larro Surebroiler Starter (R) (AGS-NCB) Medicated	G	23.0	6.0	3.0	6.0
	F	22.2	7.0	3.1	6.2
Larro Surebroiler Surelift	G	23.0	6.5	3.0	5.0
	F	22.7	6.5	0.6	3.8
Larro Surebroiler Surelift	G	23.0	6.5	3.0	5.0
	F	23.4	7.5	2.7	4.6
Larro Surebroiler Surelift (ZOL) Medicated	G	23.0	6.5	3.0	5.0
	F	23.4	7.4	2.6	4.7
Larro Surechick (ZOL) Medicated	G	20.0	2.5	5.0	9.0
	F	21.3	2.8	5.1	6.6
Larro Surechick (ZOL) Medicated	G	20.0	2.5	4.5	9.0
	F	21.6	2.9	3.8	5.6
Larro Suregrow Complete (ZOL) Medicated	G	14.0	4.0	6.0	9.0
	F	15.6	5.1	4.3	5.2
Larro Suregrow Complete (ZOL) Medicated	G	14.0	4.0	6.0	9.0
	F	14.9	4.9	4.7	5.3
Larro Suregrow Complete (ZOL) Medicated	G	15.0	2.5	6.0	9.0
	F	16.2	3.9	4.6	5.3
Larro Suregrow Complete (ZOL) Medicated	G	15.0	4.5	5.5	9.0
	F	16.9	5.1	5.4	6.2
Larro Surelay Complete "H. E."	G	16.0	4.0	5.0	12.5
	F	16.1	5.0	2.4	10.5
Larro Surelay Complete "H. E."	G	16.0	2.5	5.0	12.5
	F	16.4	3.6	3.1	9.8
Larro Surelay Complete "H. E."	G	16.0	4.0	5.0	12.5
	F	15.6	5.0	3.2	9.4
Larro Surelay Complete "H. E."	G	16.0	4.0	5.0	12.5
	F	16.9	5.3	4.3	11.0
Larro Surelay Complete "H. E."	G	16.0	4.0	5.0	12.5
	F	16.5	5.4	3.6	10.3

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Larro Surelay Complete "H. E. "	G	16.0	4.0	5.0	12.5
with 2% Granite Grits	F	15.9	4.2	2.8	12.4
Larro Surelay Complete "H. E. "	G	16.0	4.0	5.0	12.5
with 2% Granite Grits	F	16.3	4.4	2.7	10.3
Larro Surelay Complete "H. E. "	G	16.0	4.0	5.0	12.5
with 2% Granite Grits	F	16.3	4.9	3.1	11.7
Larro Surelay Complete "H. E. "	G	16.0	4.0	5.0	12.5
with 2% Granite Grits	F	16.0	4.9	2.9	13.5
Larro Surelay Complete "H. E. "	G	16.0	4.0	5.0	12.5
with 2% Granite Grits	F	15.7	4.2	2.7	10.1
Larro Surelay Complete "H. E. "	G	16.0	4.0	5.0	12.5
with 2% Granite Grits	F	16.3	4.6	6.1	10.1
Larro Surelay Complete "H. E. "	G	16.0	4.0	5.0	12.5
with 2% Granite Grits	F	17.9	5.0	2.9	12.5
Larro Surelay Complete "H. E. "	G	16.0	4.0	5.0	12.5
with 2% Granite Grits	F	16.7	4.2	2.4	10.4
Larro Surelay Complete "H. E. "	G	16.0	4.0	5.0	12.5
with 2% Granite Grits	F	16.4	4.2	2.8	12.6
Larro Surelay Complete "H. E. "	G	16.0	4.0	5.0	12.5
with 2% Granite Grits	F	17.1	4.4	2.7	7.8
Larro Surelay Complete "H. E. "	G	16.0	4.0	5.0	12.5
with 2% Granite Grits	F	17.4	5.4	3.8	11.1
Larro Surelay Complete "H. E. "	G	16.0	4.0	5.0	12.5
with 2% Granite Grits	F	16.5	5.2	3.7	8.8
<u>Illinois Soy Products Company</u>					
<u>Springfield, Illinois</u>					
43% Protein Expeller Soybean Meal	G	43.0	4.0	7.0	7.0
or Cake	F	45.6	4.5	5.8	5.7

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>Kingsburg Cotton Oil Co.</u>					
<u>Kingsburg, California</u>					
Chuck Wagon Brand 41% Protein	G	41.0	3.5	15.0	7.0
Cottonseed Cake-Meal-Pellets	F	42.5	4.2	14.5	6.0
<u>M. F. A. Grain & Feed Division</u>					
<u>Mexico, Missouri</u>					
M. F. A. 41% Expeller Soybean Oil	G	41.0	3.5	7.0	29.0
Meal	F	43.8	5.3	6.3	5.8
<u>Opelousas Oil Mill</u>					
<u>Opelousas, Louisiana</u>					
44% Protein Soybean Meal	G	44.0	3.5	7.0	-
	F	46.0	4.8	5.9	6.0
<u>Pacific Vegetable Oil Corporation</u>					
<u>San Francisco, California</u>					
41% Protein Soya Bean Oil Meal	G	41.0	3.0	7.0	7.0
(Expeller Type)	F	39.6	4.5	7.4	6.2
41% Protein Soya Bean Oil Meal	G	41.0	3.0	7.0	7.0
(Expeller Type)	F	44.0	5.0	5.9	5.6
41% Protein Soya Bean Oil Meal	G	41.0	3.0	7.0	7.0
(Expeller Type)	F	41.1	4.2	7.4	5.7
41% Protein Soya Bean Oil Meal	G	41.0	3.0	7.0	7.0
(Expeller Type)	F	44.5	5.2	6.1	5.7
41% Protein Soya Bean Oil Meal	G	41.0	3.0	7.0	7.0
(Expeller Type)	F	46.2	3.4	5.5	6.5
41% Protein Soya Bean Oil Meal	G	41.0	3.0	7.0	7.0
(Expeller Type)	F	43.6	5.3	6.4	5.6
41% Protein Soya Bean Oil Meal	G	41.0	3.0	7.0	7.0
(Expeller Type)	F	41.8	5.0	6.9	5.3
41% Protein Soya Bean Oil Meal	G	41.0	3.0	7.0	7.0
(Expeller Type)	F	43.8	5.0	6.7	5.4

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
41% Protein Soya Bean Oil Meal (Expeller Type)	G	41.0	3.0	7.0	7.0
	F	41.2	4.8	6.4	5.2
41% Protein Soya Bean Oil Meal (Expeller Type)	G	41.0	3.0	7.0	7.0
	F	42.2	4.9	5.8	6.1
<u>Peterson Tallow Co., Inc.</u> <u>Emeryville, California</u>					
Peterson's 45% Protein Meat and Bone Meal	G	45.0	6.0	1.8	35.0
	F	45.0	7.1	2.0	31.6
<u>The Quaker Oats Company</u> <u>Chicago, Illinois</u>					
Ful-O-Pep Cage Layer Ration M	G	16.0	4.0	5.0	10.0
	F	16.3	5.1	4.4	7.3
Ful-O-Pep Cage Layer Ration M	G	16.0	4.0	5.0	10.0
	F	16.1	5.2	3.5	7.6
Ful-O-Pep Chick Starter (BC) M Medicated	G	20.0	4.0	6.5	8.5
	F	21.7	4.7	4.8	6.3
Ful-O-Pep Chick Starter (BC) M Medicated	G	20.0	4.0	6.5	8.5
	F	19.8	4.2	5.5	6.2
Ful-O-Pep Medicated Broiler Bracer (C2D1) M	G	23.0	7.0	3.0	-
	F	22.8	9.1	3.4	5.6
Ful-O-Pep Pullet Developer (BC) M with 35% Oat Mill By-Product	G	11.0	2.0	18.0	9.5
	F	15.6	5.1	11.6	8.4
Ful-O-Pep Super Broiler Finisher (W) M, Medicated	G	20.0	5.0	3.5	7.0
	F	20.8	5.1	2.8	5.3
Ful-O-Pep Super Broiler Finisher (W) M, Medicated	G	20.0	5.0	3.5	7.0
	F	21.9	5.3	2.5	5.3
Ful-O-Pep Super Broiler Mash (W) M Medicated	G	22.0	5.0	3.5	7.0
	F	22.3	4.8	2.8	5.4

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>Ralston Purina Co.</u>					
<u>St. Louis, Missouri</u>					
Purina Broiler Chow	G	20.0	3.0	5.0	7.0
	F	21.7	3.5	3.8	6.6
Purina Chick Growena A	G	17.0	3.0	7.0	7.0
	F	15.7	2.9	5.4	6.3
Purina Chick Startena	G	18.0	3.0	6.0	7.0
	F	21.5	4.0	4.5	5.8
Purina Chick Startena W, Medicated	G	20.0	2.5	7.0	7.0
	F	20.9	3.5	4.1	6.3
Purina D & F Chow G (Coarse)	G	12.5	2.0	11.0	10.0
	F	14.4	2.7	8.0	8.8
Purina Flock Chow D	G	18.0	3.5	6.5	12.0
	F	16.4	3.9	3.2	9.4
Purina Poultry Booster Chow	G	24.0	2.5	6.5	12.0
	F	24.3	4.0	3.6	9.6
Purina Poultry Booster Chow	G	24.0	2.5	6.5	12.0
	F	24.8	4.0	4.4	10.7
<u>Spencer Kellogg and Sons, Inc.</u>					
<u>Long Beach, California</u>					
Spencer Kellogg's 31% Protein Old Process (Expeller) Linseed Oil Meal	G	31.0	3.5	11.0	6.0
	F	32.2	4.1	8.9	6.0
Spencer Kellogg's 31% Protein Old Process (Expeller) Linseed Oil Meal	G	31.0	3.5	11.0	6.0
	F	30.7	4.8	8.8	5.6
Spencer Kellogg's 40% Protein Prime Quality Cottonseed Cake-Meal	G	40.0	3.5	13.0	7.0
	F	41.6	4.5	11.7	5.8
Spencer Kellogg's 40% Protein Prime Quality Cottonseed Cake-Meal	G	40.0	3.5	13.0	7.0
	F	41.1	4.1	11.6	6.1

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>Triangle Milling Co.</u>					
<u>Portland, Oregon</u>					
Triangle Cracked Corn	G	8.0	3.0	3.0	2.0
	F	8.7	3.7	1.7	1.3
Triangle 4 Grain Scratch Feed	G	8.0	2.0	4.0	3.0
	F	10.6	2.7	3.0	1.8
<u>Fred L. Waldron, Ltd.</u>					
<u>Honolulu, Hawaii</u>					
Chick Scratch Feed	G	9.0	2.0	4.5	2.5
	F	11.5	3.5	1.7	1.8
Waldron's All Purpose Mash	G	16.0	3.5	5.5	9.0
	F	16.1	3.2	3.8	8.4
Waldron's All Purpose Mash	G	16.0	3.5	5.5	9.0
	F	17.0	4.1	3.8	8.0
Waldron's Cage Layer Ration (with Shell and 1.5% Granite Grit)	G	16.0	3.5	5.0	14.0
	F	15.9	3.8	2.0	10.8
Waldron's Cracked Corn	G	8.0	3.0	2.6	1.5
	F	8.5	4.2	1.7	1.4
Waldron's Egg Food Crumbles (with Shell and 1.5% Granite Grit)	G	16.0	3.5	5.0	14.0
	F	16.5	4.7	3.7	12.4
Waldron's Egg Food Crumbles (with Shell and 1.5% Granite Grit)	G	16.0	3.5	5.0	14.0
	F	16.8	4.3	3.5	11.3
Waldron's Medicated Potentiated Feed Crumbles	G	22.0	6.0	4.0	8.5
	F	<u>21.2</u>	7.1	3.5	6.5
Waldron's Scratch Feed 50-50	G	9.0	2.5	3.5	4.0
	F	10.5	2.8	2.1	1.4
Waldron's Scratch Feed 50-50	G	9.0	2.5	3.5	4.0
	F	10.7	3.5	1.8	1.6
Waldron's Peerless All Mash Egg Food (with Shell and 1.5% Granite Grit)	G	16.0	3.5	5.0	14.0
	F	15.7	4.3	4.2	13.0

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Waldron's Peerless All Mash Egg Food	G	16.0	3.5	5.0	14.0
(with Shell and 1.5% Granite Grit)	F	16.3	4.5	3.9	10.9
Waldron's Peerless All Mash Egg Food	G	16.0	3.5	5.0	14.0
(with Shell and 1.5% Granite Grit)	F	16.3	6.9	3.5	10.7
Waldron's Peerless All Mash Egg Food	G	16.0	3.5	5.0	14.0
(with Shell and 1.5% Granite Grit)	F	16.2	3.7	4.3	12.9
Waldron's Peerless All Mash Egg Food	G	16.0	3.5	5.0	14.0
(with Shell and 1.5% Granite Grit)	F	17.0	4.3	3.9	10.6
Waldron's Peerless All Mash Egg Food	G	16.0	3.5	5.0	14.0
(with Shell and 1.5% Granite Grit)	F	17.4	3.7	4.9	11.0
Waldron's Peerless All Mash Egg Food	G	16.0	3.5	5.0	14.0
(with Shell and 1.5% Granite Grit)	F	17.4	3.4	4.8	12.7
Waldron's Peerless All Mash Egg Food	G	16.0	3.5	5.0	14.0
(with Shell and 1.5% Granite Grit)	F	16.4	4.1	4.1	11.8
Waldron's Peerless All Mash Egg Food	G	16.0	3.5	5.0	14.0
(with Shell and 1.5% Granite Grit)	F	16.6	3.8	4.0	9.8
Waldron's Peerless All Mash Egg Food	G	16.0	3.5	5.0	14.0
(with Shell and 1.5% Granite Grit)	F	16.6	4.0	4.2	11.0
Waldron's Peerless Battery Laying Ration	G	16.0	3.5	5.0	11.0
	F	15.9	4.5	3.6	12.0
Waldron's Peerless Battery Laying Ration	G	16.0	3.5	5.0	13.5
	F	17.1	3.7	4.9	11.7

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Waldron's Peerless Battery Laying Ration	G	16.0	3.5	5.0	13.5
	F	16.9	3.4	4.1	11.5
Waldron's Peerless Broiler Finisher Crumbles, Medicated	G	20.0	8.0	3.5	9.0
	F	19.7	8.2	3.6	7.3
Waldron's Peerless Broiler Finisher Crumbles, Medicated	G	20.0	5.0	3.5	9.0
	F	19.6	5.4	<u>4.5</u>	6.9
Waldron's Peerless Broiler-Fryer Crumbles, Medicated	G	23.5	7.5	3.8	9.0
	F	23.1	7.8	3.4	7.8
Waldron's Peerless Broiler-Fryer Crumbles, Medicated	G	23.0	5.0	3.8	9.0
	F	<u>22.1</u>	4.9	<u>4.3</u>	7.4
Waldron's Peerless Broiler-Fryer Crumbles, Medicated	G	23.0	5.0	3.8	9.0
	F	24.0	4.8	4.2	7.5
Waldron's Peerless Broiler-Fryer Crumbles, Medicated	G	23.0	5.0	3.8	9.0
	F	<u>22.4</u>	5.4	4.0	5.6
Waldron's Peerless Broiler-Fryer Ration, Medicated	G	23.5	7.5	3.8	6.5
	F	<u>22.9</u>	7.2	4.0	6.4
Waldron's Peerless Dual Purpose Grow Lay Food	G	16.0	3.5	5.5	9.0
	F	16.6	4.2	3.6	6.6
Waldron's Peerless Dual Purpose Grow Lay Food	G	16.0	3.5	5.5	9.0
	F	17.7	3.9	5.1	9.1
Waldron's Peerless Dual Purpose Grow Lay Food	G	16.0	3.5	5.5	9.0
	F	16.5	3.2	4.3	8.5
Waldron's Peerless Dual Purpose Grow Lay Food	G	16.0	3.5	5.5	9.0
	F	17.1	3.8	3.9	7.7
Waldron's Peerless Dual Purpose Grow Lay Food	G	16.0	3.5	5.5	9.0
	F	19.1	3.1	4.2	8.8
Waldron's Peerless Growing Pullet Food (with 1.5% Granite Grit), Medicated	G	16.5	4.0	5.0	8.0
	F	16.1	4.1	3.8	7.9

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Waldron's Peerless Growing Pullet Food (with 1.5% Granite Grit), Medicated	G F	16.5 17.2	4.0 5.0	5.0 5.2	8.5 7.3
Waldron's Peerless Growing Pullet Food (with 1.5% Granite Grit), Medicated	G F	16.5 17.1	4.0 4.3	5.0 4.2	8.5 8.7
Waldron's Peerless Growing Pullet Food (with 1.5% Granite Grit)	G F	16.5 16.2	4.0 4.1	5.0 3.6	8.5 8.9
Waldron's Peerless Growing Pullet Food (with 1.5% Granite Grit)	G F	16.5 17.5	4.0 4.7	5.0 3.4	8.5 8.0
Waldron's Peerless Master Chick Mash, Medicated	G F	20.0 20.7	4.0 4.6	4.5 4.3	7.5 7.1
Waldron's Peerless Master Chick Mash, Medicated	G F	20.0 19.8	4.0 4.6	4.5 3.6	7.5 7.4
Waldron's Peerless Master Chick Mash, Medicated	G F	20.0 20.4	4.0 4.6	4.5 3.5	7.5 7.0
Waldron's Peerless Master Chick Mash, Medicated	G F	20.0 19.6	4.0 4.2	4.5 3.4	7.5 6.2
Waldron's Peerless Master Chick Mash, Medicated	G F	20.0 21.3	4.0 4.9	4.5 3.7	8.0 6.5
Waldron's Peerless Master Chick Mash, Medicated	G F	20.0 19.8	4.0 4.6	4.5 4.7	8.0 5.6
Waldron's Peerless Scratch Feed	G F	- 10.3	- 2.6	- 1.8	- 1.4

CATTLE FEEDS

Albers Milling Company
Los Angeles, California

Albers Beefys 16	G	16.0	4.0	8.0	10.0
	F	15.8	3.8	4.9	<u>16.6</u>

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Albers Beefys 12	G	12.0	2.5	18.0	12.0
	F	<u>11.2</u>	2.2	4.9	7.5
Albers Beefys 32	G	32.0	2.0	12.0	12.0
	F	33.5	3.1	5.3	<u>12.7</u>
Albers Beefys 32	G	32.0	2.0	12.0	12.0
	F	32.4	3.0	5.8	11.8
Albers Calf Manna	G	25.0	3.0	6.0	10.0
	F	25.0	3.5	5.6	8.5
Albers Campos Custom Mix	G	-	-	-	-
	F	10.7	2.6	5.7	6.1
Albers Cattle-Fattener 12	G	12.0	3.0	12.0	10.0
	F	11.6	3.7	7.9	6.4
Albers Cattle-Fattener 12	G	12.0	3.0	12.0	10.0
	F	<u>11.2</u>	6.2	2.2	<u>19.2</u>
Albers Cattle-Fattener 12	G	12.0	3.0	12.0	10.0
	F	14.8	3.0	11.6	4.4
Albers Cattle-Fattener 12	G	12.0	3.0	12.0	10.0
	F	12.2	4.0	2.7	<u>15.4</u>
Albers Cattle-Fattener 12	G	12.0	3.0	12.0	10.0
	F	<u>10.6</u>	2.8	2.2	<u>14.5</u>
Albers Creep Feed with Calf Manna	G	18.0	3.0	7.0	10.0
	F	<u>15.9</u>	2.9	4.9	7.6
Albers Creep Feed with Calf Manna	G	18.0	3.0	7.0	10.0
	F	<u>16.2</u>	3.3	4.9	7.3
Albers Creep Feed with Calf Manna	G	18.0	3.0	7.0	10.0
	F	<u>16.9</u>	3.3	4.7	7.9
Albers Creep Feed with Calf Manna	G	18.0	3.0	7.0	10.0
	F	<u>17.5</u>	3.2	5.7	7.8
Albers Creep Feed with Calf Manna	G	18.0	3.0	7.0	10.0
	F	19.0	3.0	5.6	7.4

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Albers Creep Feed with Calf Manna	G	18.0	3.0	7.0	10.0
	F	21.2	3.1	6.8	8.2
Albers Creep Feed with Calf Manna	G	18.0	3.0	7.0	10.0
	F	19.4	2.7	5.8	8.7
Albers Econ-O-Beefys 12	G	-	-	-	-
	F	15.9	4.5	8.2	27.1
Albers Milk Flo 20 Mash	G	20.0	5.0	9.0	12.0
	F	24.3	6.7	5.4	7.9
Albers Milk Flo 20 Mash	G	20.0	5.0	9.0	12.0
	F	20.3	<u>3.3</u>	5.7	6.7
Albers Milk Flo 20 Mash	G	20.0	4.0	9.0	12.0
	F	21.0	<u>2.8</u>	5.0	7.7
Albers Milk Flo 20 Mash	G	20.0	4.0	9.0	12.0
	F	<u>17.0</u>	<u>3.5</u>	5.2	7.1
Albers Milk Flo 20 Pellets	G	20.0	4.0	9.0	12.0
	F	<u>17.8</u>	<u>3.5</u>	5.1	10.7
Albers Milk Flo 20 Pellets	G	20.0	4.0	9.0	12.0
	F	21.3	3.6	6.4	11.4
Albers Milk Flo 20 Pellets	G	20.6	4.0	9.0	12.0
	F	20.6	3.9	6.7	10.4
Albers Milk Flo 20 Pellets	G	20.0	4.0	9.0	12.0
	F	21.7	<u>3.5</u>	7.2	<u>12.7</u>
Albers Milk Flo 20 Pellets	G	20.0	4.0	9.0	12.0
	F	22.2	<u>3.2</u>	7.4	12.3
Albers Sho-Glo	G	22.0	5.0	7.0	9.0
	F	23.5	4.8	5.3	7.3
Albers Sho-Glo	G	22.0	5.0	7.0	9.0
	F	22.7	4.7	5.6	6.6
Albers Sho-Glo	G	22.0	5.0	7.0	9.0
	F	22.4	5.0	5.2	6.5

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Albers Trophy and Calf Manna	G	14.0	3.0	9.0	8.0
	F	16.9	2.8	6.5	7.9
Albers Trophy and Calf Manna	G	14.0	3.0	9.0	8.0
	F	16.8	2.8	6.0	7.6
Albers Trophy and Calf Manna	G	14.0	3.0	9.0	8.0
	F	15.9	2.8	6.3	6.8
Albers Trophy and Calf Manna	G	14.0	3.0	9.0	8.0
	F	15.7	2.8	6.4	6.6
Albers Trophy and Calf Manna	G	14.0	3.0	9.0	10.0
	F	18.5	2.9	7.0	6.2
Albers Trophy and Calf Manna	G	14.0	3.0	9.0	10.0
	F	17.8	2.6	6.6	6.8
Ground Barley	G	9.0	2.0	7.0	4.0
	F	10.6	2.0	7.3	2.4
Ground Barley	G	9.0	2.0	7.0	4.0
	F	11.1	1.9	6.6	3.0
Ground Milo	G	10.0	2.0	3.5	5.0
	F	9.7	3.0	2.1	1.8
Ground Milo	G	10.0	2.0	3.5	5.0
	F	9.7	3.2	1.9	1.7
Ground Milo	G	10.0	2.0	3.5	5.0
	F	10.9	2.8	2.2	1.9
Rolled Milo	G	10.0	2.0	3.5	5.0
	F	10.6	2.9	1.7	1.8
Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	11.2	2.3	4.4	2.5
Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	11.6	1.9	4.0	2.1
Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	10.6	2.3	5.2	2.4

* G - guarantee; F - found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	13.1	2.3	5.5	2.3
Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	13.7	2.2	4.6	2.2
Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	14.4	2.6	4.1	2.6
Standard Rolled Barley	G	9.0	2.0	7.0	3.0
	F	11.5	2.1	4.2	2.4
Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	15.6	2.2	4.4	2.2
<u>Associated Dehydrating Corp.</u>					
<u>Vernalis, California</u>					
Vernalfa Brand Alfalfa Meal and Molasses	G	13.0	1.5	30.0	10.0
	F	16.5	2.0	22.3	10.0
<u>Beckley Feed Co.</u>					
<u>Linden, California</u>					
Linden Quality Pellets Alfalfa-Pellets Suncured Alfalfa	G	15.0	1.5	23.0	17.5
	F	17.4	1.7	27.7	11.4
Special Mix	G	-	-	-	-
	F	4.6	0.8	3.6	5.0
Special Mix	G	-	-	-	-
	F	57.7	4.0	10.3	19.4
Star Beef Ration Complete Dry Lot Ration No. 2	G	11.3	2.0	15.0	-
	F	15.8	2.2	15.0	7.0
Star Beef Ration Complete Dry Lot Ration No. 2	G	11.8	2.2	17.6	7.0
	F	15.4	2.2	15.0	6.5
Star Beef Ration Complete Dry Lot Ration No. 3	G	11.2	2.3	13.7	7.0
	F	13.4	2.3	13.2	5.5
Star Beef Ration Complete Dry Lot Ration No. 4	G	10.3	2.3	11.0	7.0
	F	14.0	2.2	10.8	5.6

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Star Beef Ration Complete Dry Lot Ration No. 4	G	10.8	2.3	11.1	7.0
	F	13.5	2.4	10.8	5.6
Star Beef Ration Complete Dry Lot Ration No. 6	G	10.4	2.4	7.3	7.0
	F	11.7	2.3	<u>8.8</u>	4.6
Star Free Choice Range Supplement "F"	G	20.0	1.5	6.0	49.5
	F	21.4	1.6	5.3	37.1
Star Free Choice Range Supplement "F"	G	20.0	1.5	6.0	49.5
	F	22.5	1.8	5.5	35.3
Star Free Choice Range Supplement "F"	G	20.0	1.5	6.0	49.5
	F	21.5	1.7	5.2	39.5
Star Free Choice Range Supplement "F"	G	20.0	1.5	6.0	49.5
	F	22.1	1.7	5.9	34.8
Star Free Choice Range Supplement "P"	G	24.0	1.5	6.0	39.5
	F	<u>20.5</u>	1.9	6.0	25.5
Star Free Choice Range Supplement "P"	G	24.0	1.5	6.0	39.5
	F	<u>22.2</u>	2.1	<u>6.5</u>	29.2
Star Limited Barley Ration	G	7.3	1.4	4.3	2.0
	F	7.5	1.1	3.6	<u>25.6</u>
Star Limited Barley Ration	G	7.3	1.4	4.3	2.0
	F	7.9	1.5	4.3	<u>22.7</u>
<u>V. C. Britton Co.</u>					
<u>Firebaugh, California</u>					
Dehydrated Alfalfa Stem Crumbles	G	10.0	1.0	40.0	8.0
	F	11.6	1.8	34.3	6.8
<u>California Milling Corporation</u>					
<u>Los Angeles, California</u>					
Ace-Hi Big Calf	G	17.5	3.9	9.0	10.0
	F	18.2	<u>3.4</u>	6.8	6.3
Ace-Hi 20% Dairy Feed	G	20.0	3.0	10.0	8.0
	F	21.5	3.2	6.9	7.8

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Ace-Hi 16% Dairy Pellet	G	16.0	3.0	10.0	10.0
	F	21.2	4.4	8.3	7.9
Ace-Hi Junior Calf	G	18.0	3.5	9.0	10.0
	F	18.7	3.7	7.7	6.6
Ace-Hi Livestock Finisher	G	14.0	2.5	10.0	8.0
	F	15.6	2.7	6.8	6.6
Ace-Hi Stock Builder Pellets	G	25.0	3.5	6.0	8.0
	F	25.4	3.9	5.4	9.0
Ace-Hi Sweet Mix All Purpose	G	10.0	2.0	7.0	6.0
	F	13.8	2.8	6.3	5.1
<u>California Packing Corp.</u>					
<u>Honolulu, Hawaii</u>					
Calpak Pine Bran	G	3.5	0.5	10.0	4.0
	F	4.5	1.2	12.2	4.3
Calpak Pine Bran	G	3.5	0.5	18.0	4.0
	F	4.4	1.2	15.0	3.3
Calpak Pine Bran	G	3.5	0.5	18.0	4.0
	F	5.4	1.6	14.6	4.3
<u>Dairymen's Feed and Supply Co-op</u>					
<u>Petaluma, California</u>					
Hi-Energy Dairy Pellets	G	16.0	3.0	7.0	7.0
	F	15.6	4.1	5.8	6.1
Hi-Energy Dairy Pellets	G	16.0	3.0	7.0	7.0
	F	15.6	4.3	5.2	6.0
Hi-Energy Dairy Pellets	G	16.0	3.0	7.0	7.0
	F	15.7	4.3	5.5	6.1
Hi-Energy Dairy Pellets	G	16.0	3.0	7.0	7.0
	F	15.9	3.9	6.7	6.8
Hi-Energy Dairy Pellets	G	16.0	3.0	7.0	7.0
	F	16.5	3.9	6.1	6.5

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Hi-Energy Dairy Pellets	G	16.0	3.0	7.0	7.0
	F	16.3	4.3	6.0	6.4
Hi-Energy Dairy Pellets	G	16.0	3.0	7.0	7.0
	F	<u>14.8</u>	4.1	7.2	7.3
Hi-Energy Dairy Pellets	G	16.0	3.5	7.0	7.0
	F	16.0	4.7	<u>7.6</u>	5.9
Hi-Energy Dairy Pellets	G	16.0	3.5	7.0	7.0
	F	17.2	4.3	6.4	5.9
<u>Decatur Elevator Co.</u>					
<u>Decatur, Illinois</u>					
Illini Brand Old Process-Expeller Type 41% Soybean Oil Meal	G	41.0	4.0	7.0	7.5
	F	43.2	5.6	5.7	5.5
<u>Dixon Dryer Co.</u>					
<u>Dixon, California</u>					
Pel-Falfa Meal with Animal Fat Added	G	17.0	3.0	25.0	10.0
	F	18.6	5.2	24.1	8.6
<u>Dole Corporation</u>					
<u>Honolulu, Hawaii</u>					
Dole Dried Pineapple Pulp and Cane Molasses	G	3.0	0.4	18.5	5.5
	F	4.5	1.0	18.0	2.9
Dole Dried Pineapple Pulp and Cane Molasses	G	3.0	0.4	18.5	5.5
	F	5.2	0.9	15.7	3.6
Dole Dried Pineapple Pulp and Cane Molasses	G	3.0	0.4	18.5	5.5
	F	4.7	1.6	17.1	3.2
<u>Feather River Mills, Inc.</u>					
<u>Yuba City, California</u>					
Quality Feeds Rolled Barley	G	10.0	2.0	7.0	4.0
	F	14.7	2.4	4.8	2.5
<u>Fisher Flouring Mills Company</u>					
<u>Seattle, Washington</u>					
Fisher's Calf Ration	G	17.0	3.5	8.0	8.0
	F	18.2	3.6	6.3	7.4

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>Foremost Feed Company</u> <u>Honolulu, Hawaii</u>					
Foremost Beef Ration No. 2	G	9.5	1.5	15.0	6.0
	F	12.2	2.2	13.9	6.0
Foremost Beef Ration No. 2	G	9.5	1.5	15.0	6.0
	F	11.5	2.0	8.1	4.9
Foremost 20% Dairy Feed Pellets	G	-	-	-	-
	F	21.1	3.6	6.5	6.2
Foremost 20% Dairy Feed Pellets	G	20.0	3.0	6.5	7.0
	F	19.4	3.5	6.3	6.1
Foremost 22% Dairy Feed	G	22.0	2.5	14.0	10.5
	F	23.6	3.7	6.9	8.7
Foremost Roughage	G	6.0	1.2	20.0	6.0
	F	9.5	1.1	16.5	4.5
Foremost Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	10.6	2.5	4.4	2.2
Foremost Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	11.6	2.6	5.4	2.6
Foremost Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	11.7	2.2	5.3	2.3
Special Dairy Feed	G	-	-	-	-
	F	16.4	2.2	12.4	8.9
Special Dairy Feed	G	-	-	-	-
	F	16.3	2.3	13.6	8.4
<u>Fudge Mills, Inc.</u> <u>Los Angeles, California</u>					
17% Pellet Meal 17% Dehydrated Alfalfa	G	17.0	2.0	27.0	13.0
	F	17.1	3.2	20.2	<u>16.2</u>

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>General Mills, Inc.</u> <u>Honolulu, Hawaii</u>					
Ground Barley	G	9.0	1.5	6.0	3.0
	F	10.6	2.2	6.0	3.0
Larro Surecalf	G	20.0	2.5	8.0	9.0
	F	<u>19.2</u>	2.5	7.2	6.0
Larro Surecalf	G	20.0	2.5	8.0	9.0
	F	20.1	2.5	8.1	6.0
Larro Surecalf	G	20.0	3.0	8.0	9.0
	F	20.1	<u>2.5</u>	6.6	6.3
Larro Surecalf	G	20.0	2.5	8.0	9.0
	F	19.7	3.1	7.5	6.0
Larro Suremilk 20	G	20.0	3.0	9.5	9.0
	F	20.1	3.1	6.9	7.0
Larro Suremilk 20	G	20.0	3.0	9.5	9.0
	F	22.3	<u>2.4</u>	5.6	7.0
Larro Suremilk 20	G	20.0	3.0	9.5	9.0
	F	22.0	3.1	6.2	6.3
Larro Suremilk 20	G	20.0	3.0	9.5	9.0
	F	20.4	2.7	7.5	6.5
Larro Suremilk 20	G	20.0	3.0	9.5	9.0
	F	20.3	2.9	<u>10.9</u>	6.5
Larro Suremilk 20	G	20.0	3.0	9.5	9.0
	F	20.4	3.7	8.8	6.7
Larro Suretasty 22%	G	22.0	2.5	15.0	10.0
	F	22.6	2.8	11.0	7.3
Larro Suretasty 22%	G	22.0	2.5	15.0	10.0
	F	22.2	3.0	11.9	6.6
Larro Suretasty 22%	G	22.0	2.5	15.0	10.0
	F	22.9	3.2	13.0	6.8

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Standard Rolled Barley	G	9.0	2.0	7.0	3.0
	F	10.4	2.1	4.9	2.2
Standard Rolled Barley	G	9.0	2.0	7.0	3.0
	F	10.4	2.2	4.9	2.2
Standard Rolled Barley	G	9.0	2.0	7.0	3.0
	F	11.5	2.1	4.2	2.4
<u>Hawaii Meat Co., Ltd.</u>					
<u>Honolulu, Hawaii</u>					
Meat & Bone Meal 45% Protein Meat and Bone Meal	G	45.0	10.0	3.5	29.0
	F	49.3	11.4	1.3	<u>31.2</u>
<u>Hawaiian Grain Corporation</u>					
<u>Honolulu, Hawaii</u>					
44% Protein Egg Tested Cottonseed Meal	G	44.0	1.0	13.0	7.0
	F	43.8	1.5	11.9	6.5
44% Protein Egg Tested Cottonseed Meal	G	44.0	1.0	13.0	7.0
	F	<u>42.4</u>	1.2	11.9	6.6
44% Solvent Extracted Soybean Oil Meal	G	44.0	0.5	7.0	7.0
	F	45.2	1.7	6.2	5.6
44% Solvent Extracted Soybean Oil Meal	G	44.0	0.5	7.0	7.0
	F	43.8	1.7	5.9	6.0
44% Solvent Extracted Soybean Oil Meal	G	44.0	0.5	7.0	7.0
	F	43.8	1.4	7.4	6.0
Suncured Alfalfa Pellets	G	15.0	1.5	28.0	10.0
	F	18.4	2.7	25.8	7.2
Suncured Alfalfa Pellets	G	15.0	1.5	28.0	10.0
	F	18.4	1.9	26.0	6.9
Suncured Alfalfa Pellets	G	15.0	1.5	28.0	10.0
	F	19.7	1.9	26.0	6.2

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>Hawaiian Pineapple Company</u> <u>Honolulu, Hawaii</u>					
Dole Dried Pulp and Feeding Cane	G	3.0	0.4	18.5	5.5
Molasses	F	4.3	1.4	16.2	3.3
Dole Dried Pulp and Feeding Cane	G	3.0	0.4	18.5	5.5
Molasses	F	4.2	1.1	16.2	3.2
<u>Liquid Feed Distribution, Inc.</u> <u>New York, New York</u>					
Morea M-30 Liquid Feed Supplement	G	30.0	-	-	-
for Ruminants Only	F	33.3	-	-	6.8
<u>Madera Milling Company</u> <u>Madera, California</u>					
"1700" Pel-Meal	G	17.0	3.0	26.0	12.0
	F	19.6	3.6	23.0	10.4
Pel-Meal-Dehydrated Alfalfa with	G	20.0	4.0	23.0	12.0
Animal Fat Stability Increased	F	19.6	3.6	21.9	9.5
with Butylated Hydroxyanisole					
Pel-Meal Suncured Alfalfa	G	16.0	1.5	28.0	12.0
	F	18.6	1.8	9.0	10.1
Pel-Meal Suncured Alfalfa	G	16.0	1.5	28.0	12.0
	F	18.8	1.9	24.7	10.4
<u>Morse Feed Mill</u> <u>Elk Grove, California</u>					
Pel-Mix	G	14.0	1.8	27.0	8.0
	F	17.8	1.9	20.9	<u>9.6</u>
<u>Pacific Elevators, Limited</u> <u>Vancouver, B. C., Canada</u>					
Canadian Grain Screening Pellets	G	-	-	-	-
"D. F. C. Hon"	F	13.2	3.0	16.4	8.8

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>Philippine Refining Company, Inc.</u> <u>Manila, Philippines</u>					
Philreco Brand 20% Protein Copra	G	20.0	5.5	12.0	8.0
Oil Meal Pellets	F	20.7	6.9	11.8	7.8
Philreco Brand 20% Protein Copra	G	20.0	5.5	12.0	8.0
Oil Meal Pellets	F	22.7	7.2	10.9	7.4
Philreco Brand 20% Protein Copra	G	20.0	5.5	12.0	8.0
Oil Meal Pellets	F	21.2	6.5	11.0	7.1
Philreco Brand 20% Protein Copra	G	20.0	5.5	12.0	8.0
Oil Meal Pellets	F	21.0	7.1	13.6	6.9
Philreco Brand 20% Protein Copra	G	20.0	5.5	12.0	8.0
Oil Meal Pellets	F	21.0	7.6	8.2	7.8
Philreco Brand 20% Protein Copra	G	20.0	5.5	12.0	8.0
Oil Meal Pellets	F	21.9	7.0	15.2	7.8
<u>Producers Cotton Oil Co. of Imperial Valley</u> <u>Fresno, California</u>					
40% Protein Cottonseed Fluke Cake	G	40.0	3.5	14.0	7.0
or Meal Expeller	F	40.9	4.2	12.7	6.2
41% Protein Cottonseed Meal	G	41.0	3.5	16.0	7.0
	F	42.9	4.2	12.2	5.9
41% Protein Cottonseed Meal	G	41.0	3.5	16.0	7.0
	F	41.2	3.9	14.2	6.0
41% Protein Cottonseed Meal	G	41.0	3.5	16.0	7.0
	F	41.5	4.0	14.6	5.6
41% Protein Cottonseed Meal	G	41.0	3.5	16.0	7.0
	F	43.5	4.4	12.9	6.0
<u>The Quaker Oats Company</u> <u>Los Angeles, California</u>					
Ful-O-Pep Calf Ration M	G	20.0	3.0	9.0	9.0
	F	19.5	4.5	8.8	6.6

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Ful-O-Pep Creep Feed for Calves M with 15% Oat Mill By-Product	G	14.0	3.0	11.0	9.0
	F	14.4	4.5	9.7	8.1
<u>Ralston Purina Company</u> <u>St. Louis, Missouri</u>					
Purina Calf Startena (Coarse)	G	19.5	2.5	8.0	9.0
	F	20.9	3.5	5.7	7.9
Purina D & F Chow G	G	12.5	1.5	11.0	10.0
	F	14.4	3.2	9.0	8.7
Purina Dairy Chow V 16%	G	16.0	3.0	14.0	8.5
	F	16.6	4.3	10.2	6.3
Purina Dairy Chow V 16% (Coarse)	G	16.0	3.0	14.0	8.5
	F	17.8	5.5	8.8	6.8
Purina Steer Fatena 40% G	G	40.0	2.0	10.0	10.0
	F	41.8	2.2	8.9	9.2
Purina Steer Fatena 40% G	G	40.0	1.5	10.0	10.0
	F	39.6	2.5	8.3	6.4
Purina Steer Fatena 65%	G	65.0	0.5	12.0	15.0
	F	66.6	3.8	8.3	<u>16.0</u>
Purina Steer Fatena 65%	G	65.0	0.5	12.0	15.0
	F	65.3	3.8	10.8	<u>16.0</u>
<u>Robinson's Farm</u> <u>Stockton, California</u>					
Campos Mix Bulk Feed	G	16.0	-	-	-
	F	<u>11.3</u>	6.5	12.5	7.9
Campos Mix Bulk Feed	G	16.0	-	-	-
	F	<u>11.9</u>	6.3	10.8	8.1
Campos Mix Bulk Feed	G	16.0	-	-	-
	F	<u>13.3</u>	6.7	16.6	6.3
Custom Mixed Feed	G	-	-	-	-
	F	12.6	4.2	10.7	7.4

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Economy Feed	G	6.0	1.5	30.0	10.0
	F	11.2	2.7	24.5	9.6
Robinson Farm Custom Mixed Feed	G	-	-	-	-
	F	13.4	7.0	11.9	6.9
Robinson Farm Custom Mixed Feed	G	-	-	-	-
	F	14.2	7.9	7.3	7.1
Rolled Barley	G	9.0	2.0	7.0	3.0
	F	10.1	1.9	4.7	2.6

San Joaquin Valley Hay Growers Association
Tracy, California

Vernalfa Brand Suncured Alfalfa Pellets	G	15.0	1.5	30.0	10.0
	F	17.7	2.0	26.0	8.1
Vernalfa Brand Suncured Alfalfa Pellets	G	15.0	1.5	30.0	10.0
	F	16.6	1.9	24.6	9.6
Vernalfa Brand Suncured Alfalfa Pellets	G	15.0	1.5	30.0	10.0
	F	17.0	2.7	29.0	9.3

San Pablo Manufacturing Co.
San Pablo City, Philippines

Expeller Copra Cake "Horseshoe" Brand	G	19.0	6.0	11.0	7.0
	F	19.4	10.4	10.1	6.4

Sears Alfalfa Meal Co.
Chowchilla, California

Dehydrated Alfalfa Meal	G	17.0	1.5	28.0	12.0
	F	18.2	5.7	18.1	<u>13.0</u>

Fred L. Waldron, Ltd.

Waldron's Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	10.9	3.0	5.0	2.3
Waldron's Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	12.0	2.5	5.3	2.3

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Waldron's Standard Rolled Barley	G	9.0	2.0	7.0	4.0
	F	12.6	2.6	4.7	2.3

SWINE FEEDS

Albers Milling Company
Los Angeles, California

Albers Hog Finisher 14	G	14.0	2.5	7.0	10.0
	F	15.0	4.0	3.0	8.0
Albers Hog Finisher 14	G	14.0	2.5	7.0	10.0
	F	16.4	4.2	3.1	7.3
Albers Hog Finisher 14	G	14.0	3.0	6.0	10.0
	F	14.1	2.9	3.5	5.4
Albers Hog Finisher 14	G	14.0	3.0	6.0	10.0
	F	15.4	3.7	3.1	6.5
Albers "Perfect 36", A Hog Concentrate	G	36.0	4.0	12.0	19.0
	F	35.8	4.9	8.2	17.0
Albers "Perfect 36", A Hog Concentrate	G	36.0	4.0	12.0	19.0
	F	<u>32.9</u>	5.1	9.5	18.2
Albers Pig and Sow Ration, Medicated for Swine Only	G	18.0	4.5	6.0	10.0
	F	18.2	4.6	5.0	9.1
Albers Pig and Sow Ration, Medicated for Swine Only	G	18.0	4.5	6.0	10.0
	F	<u>17.4</u>	<u>4.0</u>	3.5	7.9
Albers Pig and Sow Ration, Medicated for Swine Only	G	18.0	4.5	6.0	10.0
	F	18.9	<u>3.9</u>	4.0	7.1
Albers Pig and Sow Ration, Medicated for Swine Only	G	18.0	4.5	6.0	10.0
	F	18.6	4.8	4.4	7.1
Albers Pig and Sow Ration 16, Medicated	G	16.0	4.0	6.0	10.0
	F	16.4	3.9	2.9	7.3
Albers Pig Maker 16	G	16.0	3.5	9.0	10.0
	F	19.9	4.2	4.7	-

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Albers Pig Maker, Medicated for Swine Only	G	16.0	4.0	6.0	9.0
	F	17.5	4.4	4.1	8.8
Albers Pig Maker, Medicated for Swine Only	G	16.0	4.0	6.0	9.0
	F	<u>15.2</u>	5.1	3.3	7.9
Albers Pig Maker, Medicated for Swine Only	G	16.0	4.0	6.0	9.0
	F	16.6	4.3	4.0	7.2
Albers Pig Maker, Medicated for Swine Only	G	16.0	4.0	6.0	9.0
	F	17.9	4.5	4.7	7.6
Albers Pig Maker, Medicated for Swine Only	G	16.0	4.0	6.0	9.0
	F	17.7	4.9	3.6	8.6
Albers Pre-Lac Sow Ration	G	15.0	2.0	15.0	10.0
	F	16.9	2.4	8.6	9.7
Albers Suckle	G	24.0	5.0	0.5	9.0
	F	24.3	7.8	0.4	8.8
Albers Suckle	G	24.0	5.0	0.5	9.0
	F	23.8	8.4	0.4	8.8
Albers Sweet Pak Pig Starter, Medicated for Swine Only	G	20.0	4.0	4.0	9.0
	F	20.5	4.7	2.8	6.0
Albers Sweet Pak Pig Starter, Medicated for Swine Only	G	20.0	4.0	4.5	9.0
	F	23.8	3.8	3.0	5.0
<u>Centennial Mills Inc.</u>					
<u>Seattle, Washington</u>					
Centennial Wheat Mixed Feed	G	15.0	3.0	10.0	5.0
	F	17.0	4.1	8.6	4.8
<u>California Milling Corporation</u>					
<u>Los Angeles, California</u>					
Ace-Hi Pig Starter Pellets, Medicated for Swine Only	G	20.0	4.0	8.0	8.0
	F	20.8	5.4	4.4	7.8

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Ace-Hi Pig & Sow Grower	G	15.0	3.0	6.0	10.0
	F	17.8	3.8	6.1	7.1
<u>Fisher Flouring Mills Co.</u>					
<u>Seattle, Washington</u>					
Fisher's Morpork	G	16.0	3.5	7.0	7.0
	F	17.5	3.7	5.9	6.0
Fisher's Morpork	G	16.0	3.5	7.0	7.0
	F	17.6	4.4	6.9	5.4
Fisher's Morpork Special	G	15.0	3.5	7.0	7.0
	F	16.5	4.0	4.5	5.6
Fisher's Pig Starter Pellets, Medicated	G	20.0	3.5	6.5	7.0
	F	20.9	5.2	5.3	6.6
Fisher's Pig Starter Pellets, Medicated	G	20.0	3.5	6.5	7.0
	F	20.1	4.5	4.3	6.9
Fisher's Wheat Red Dog	G	15.0	4.0	4.0	4.0
	F	16.6	4.5	4.2	3.0
Fisher's Wheat Red Dog	G	15.0	4.0	4.0	4.0
	F	17.7	4.9	<u>4.7</u>	3.2
Fisher's Wheat Red Dog	G	15.0	4.0	4.0	4.0
	F	18.2	4.8	<u>5.2</u>	3.4
Fisher's Wheat Mixed Feed with Ground Grain Screenings not Exceeding Run of Mill or 8%	G	15.0	4.0	9.5	6.0
	F	17.5	4.6	9.0	4.7
Fisher's Wheat Mixed Feed with Ground Grain Screenings not Exceeding Run of Mill or 8%	G	15.0	4.0	9.5	6.0
	F	16.2	4.3	8.6	4.1
Fisher's Wheat Mixed Feed with Ground Grain Screenings not Exceeding Run of Mill or 8%	G	15.0	4.0	9.5	6.0
	F	17.0	5.0	5.3	4.9
Fisher's Wheat Mixed Feed with Ground Grain Screenings not Exceeding Run of Mill or 8%	G	15.0	4.0	9.5	6.0
	F	17.2	4.7	9.0	4.6

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Fisher's Wheat Mixed Feed with Ground Grain Screenings not Exceeding Run of Mill or 8%	G	15.0	4.0	9.5	6.0
	F	17.5	4.7	8.6	4.7
<u>Foremost Feed Company</u> <u>Honolulu, Hawaii</u>					
Foremost Sow & Pig Meal	G	-	-	-	-
	F	20.6	3.5	6.6	7.1
Foremost Sow & Pig Meal	G	19.3	2.9	6.7	7.1
	F	20.0	3.9	6.6	6.3
Foremost Special Pig Meal	G	20.5	4.0	7.5	7.0
	F	21.1	4.3	5.7	7.4
<u>General Mills, Inc.</u> <u>Honolulu, Hawaii</u>					
Larro Surepig (AGS), Medicated	G	18.0	3.0	4.0	7.0
	F	19.0	5.1	2.7	5.8
Larro Surepig (AGS), Medicated	G	18.0	3.0	4.0	7.0
	F	19.4	5.3	2.5	5.2
Larro Surepig (AGS-HYG), Medicated	G	18.0	3.0	4.0	7.0
	F	18.7	5.3	2.4	5.4
Larro Surepig (AGS-HYG), Medicated	G	18.0	3.0	4.0	7.0
	F	19.0	5.7	2.7	5.2
Larro Surepig (AGS-HYG), Medicated	G	18.0	3.0	4.0	7.0
	F	20.0	3.9	2.5	4.9
Larro Surepork Finisher Complete (AGS), Medicated	G	12.0	2.5	6.0	7.0
	F	12.6	2.8	3.9	5.7
Larro Surepork Finisher Complete (AGS), Medicated	G	12.0	2.5	6.0	7.0
	F	12.9	2.7	4.2	5.1
Larro Surepork Finisher Complete (AGS), Medicated	G	11.0	2.5	6.0	7.0
	F	14.0	3.2	5.7	5.2
Larro Surepork Grower Complete (AGS), Medicated	G	15.0	2.5	6.0	8.0
	F	<u>14.5</u>	2.6	4.4	5.9

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Larro Surepork Grower Complete (AGS), Medicated	G	14.0	2.5	6.0	8.0
	F	14.9	3.2	5.7	5.6
Larro Surepork Grower Complete (AGS-HYG), Medicated	G	15.0	2.5	6.0	8.0
	F	15.0	3.2	4.5	5.9
Larro Surepork Grower Complete (AGS-HYG), Medicated	G	15.0	2.5	6.0	8.0
	F	14.7	3.0	4.8	5.3
Larro Surepork Grower Complete (AGS-HYG), Medicated	G	15.0	2.5	6.0	8.0
	F	15.8	3.0	4.5	5.3
Larro Surepork Grower Complete (AGS-HYG), Medicated	G	15.0	2.5	6.0	8.0
	F	15.3	3.3	5.3	5.5
Larro Surepork Grower Complete (AGS-HYG), Medicated	G	15.0	2.5	6.0	8.0
	F	15.3	3.1	5.5	5.5
Larro Surepork Grower Complete (AGS-HYG), Medicated	G	15.0	2.5	6.0	8.0
	F	15.9	3.2	5.2	5.6
Larro Surepork Grower Complete (AGS-HYG), Medicated	G	14.0	2.5	6.0	8.0
	F	14.7	3.3	5.4	5.4
Larro Surepork Super 40 (AGS), Medicated	G	40.0	4.0	6.0	20.0
	F	38.3	4.6	4.2	16.6
Larro Suresow	G	15.0	2.5	7.0	8.0
	F	15.3	3.4	4.3	6.2
Larro Suresow	G	15.0	2.5	7.0	8.0
	F	15.8	3.4	5.5	5.4
Larro Suresow	G	14.0	2.5	7.0	8.0
	F	14.8	3.3	5.8	5.5
Surepork Complete Special, Medicated	G	15.0	2.5	6.0	8.0
	F	15.0	2.8	5.4	6.3
Wheat Mill Run with Ground Grain Screenings not to exceed Run of Mill (not exceeding 8%)	G	13.0	3.0	8.5	6.0
	F	14.9	3.4	7.3	4.1

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Wheat Mixed Feed with Ground Wheat Screenings not Exceeding Run of Mill	G	13.0	3.0	9.0	6.0
	F	16.6	4.1	7.7	4.3
Wheat White Middlings	G	13.5	3.0	4.0	5.0
	F	16.8	2.9	2.7	2.5
<u>National Biscuit Company</u> <u>Cheney, Washington</u>					
Nabisco Wheat Mixed Feed	G	12.0	3.5	9.5	6.0
	F	14.9	4.2	8.9	4.6
<u>The Pillsbury Co.</u> <u>Minneapolis, Minnesota</u>					
Pillsbury's Wheat Millrun with Ground Screenings	G	14.0	3.0	9.5	6.0
	F	15.7	4.6	8.5	4.4
<u>The Quaker Oats Company</u> <u>Chicago, Illinois</u>					
Ful-O-Pep Baby Pig Diet (DI), Medicated	G	24.0	4.0	4.0	-
	F	<u>23.1</u>	6.9	2.1	6.4
Ful-O-Pep Baby Pig Diet (DI), Medicated	G	24.0	4.0	4.0	8.0
	F	<u>19.0</u>	6.8	2.0	4.6
Ful-O-Pep Gro-Pork (280K) M, Medicated	G	16.0	2.5	5.0	-
	F	16.4	3.1	3.2	6.5
Ful-O-Pep Hog Supplement M	G	36.0	1.0	10.0	22.0
	F	35.6	1.8	6.5	19.6
Ful-O-Pep Hog Supplement M	G	36.0	1.5	10.0	
	F	<u>35.3</u>	1.3	7.0	21.8
Ful-O-Pep Pig Starter (KP) M , Medicated For Swine Only	G	18.0	5.0	5.0	9.0
	F	18.6	6.9	3.8	4.9
Ful-O-Pep Pig Starter (KP) M , Medicated For Swine Only	G	16.0	3.0	5.0	9.0
	F	17.6	2.9	4.7	6.6
Ful-O-Pep Sow Supplement M	G	35.0	1.5	11.0	17.0
	F	<u>34.4</u>	2.4	9.3	13.6

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>Ralston Purina Company</u> <u>St. Louis, Missouri</u>					
Purina Complete Sow Chow	G	16.0	2.5	7.0	9.0
	F	15.7	3.2	2.6	4.7
Purina Pig Growena, Medicated	G	16.0	2.0	6.0	7.0
	F	16.2	2.7	2.2	4.7
Purina Sow Chow	G	32.0	2.0	9.0	17.0
	F	34.0	2.9	5.1	12.5
<u>Fred L. Waldron, Ltd.</u> <u>Honolulu, Hawaii</u>					
Waldron's Pig and Sow Feed	G	17.0	3.5	4.5	6.5
	F	18.1	3.5	4.9	4.4
Waldron's Pig and Sow Feed	G	17.0	3.5	4.5	6.5
	F	18.3	3.6	4.4	5.0
Waldron's Pork Producer	G	14.0	3.5	6.5	6.5
	F	14.2	4.4	3.4	5.0
Waldron's Pork Producer	G	14.0	3.5	6.5	6.5
	F	15.2	3.8	4.8	4.3

RABBIT FEEDS

<u>Albers Milling Company</u> <u>Los Angeles, California</u>					
Albers Double Duty Rabbit Ration	G	16.0	2.5	21.0	12.0
	F	15.8	2.9	18.7	8.6
Albers Double Duty Rabbit Ration	G	16.0	2.5	21.0	12.0
	F	18.6	3.2	14.4	9.3
Albers Double Duty Rabbit Ration	G	16.0	2.5	21.0	12.0
	F	16.9	2.8	17.4	8.4
Albers Rabbit Family Ration	G	18.0	2.5	16.0	12.0
	F	18.4	2.4	15.6	<u>12.7</u>
Albers Rabbit Family Ration	G	18.0	2.5	16.0	12.0
	F	19.5	3.5	15.3	8.6

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>California Milling Corporation</u> <u>Los Angeles, California</u>					
Ace-Hi Special Rabbit Pellets	G	16.0	3.0	18.0	10.0
	F	17.5	3.1	14.7	10.0
Valley Farm Rabbit Pellets	G	16.0	2.0	24.0	12.0
	F	18.7	2.4	22.3	11.4
Valley Farm Rabbit Pellets	G	16.0	2.0	24.0	12.0
	F	18.8	2.9	20.7	11.6
<u>Fisher Flouring Mills Company</u> <u>Seattle, Washington</u>					
Fisher's All In One Rabbit Ration Pellets	G	15.0	3.0	16.0	9.0
	F	17.2	2.9	14.1	8.3
Fisher's All In One Rabbit Ration Pellets	G	15.0	3.0	16.0	9.0
	F	16.8	3.4	12.9	8.9
<u>General Mills, Inc.</u> <u>Honolulu, Hawaii</u>					
Larro Surerabbit (FRZ), Medicated with 2% Bentonite	G	16.0	2.0	19.0	10.0
	F	16.4	2.8	16.4	8.5
Larro Surerabbit (FRZ), Medicated with 2% Bentonite	G	16.0	2.0	19.0	10.0
	F	16.5	2.5	15.9	9.7
Larro Surerabbit (FRZ), Medicated with 2% Bentonite	G	16.0	2.0	19.0	10.0
	F	17.7	3.0	17.0	7.6
<u>The Quaker Oats Company</u> <u>Chicago, Illinois</u>					
Ful-O-Pep Rabbit Ration (C4) M Medicated	G	15.0	2.5	18.0	9.0
	F	15.7	3.1	11.6	8.6
<u>Ralston Purina Company</u> <u>St. Louis, Missouri</u>					
Purina Rabbit Chow Checkers (Complete Ration)	G	16.0	2.0	18.0	9.0
	F	16.6	2.6	12.8	6.9

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>Fred L. Waldron, Ltd.</u> <u>Honolulu, Hawaii</u>					
Waldron's Rabbit Pellets 16%	G	16.0	4.0	16.5	10.0
	F	16.8	5.3	13.1	8.4
Waldron's Rabbit Pellets 16%	G	16.0	4.0	16.5	10.0
	F	17.1	4.6	13.9	7.2
Waldron's Rabbit Pellets 16%	G	16.0	4.0	16.5	10.0
	F	17.3	4.5	14.8	8.3

PIGEON & GAME BIRD FEEDS

<u>Albers Milling Company</u> <u>Los Angeles, California</u>					
Albers Game Bird Feed	G	24.0	4.0	5.0	10.0
	F	26.6	3.7	3.8	9.0
Albers Game Bird Feed	G	24.0	4.0	5.0	10.0
	F	25.5	<u>3.2</u>	2.9	9.9
Albers Game Bird Feed	G	24.0	4.0	5.0	10.0
	F	28.4	3.9	3.8	7.4
Albers Game Bird Feed	G	24.0	4.0	5.0	10.0
	F	26.3	3.8	4.6	7.3
Albers Game Bird Feed	G	24.0	4.0	5.0	10.0
	F	27.7	4.2	3.3	7.4
Albers Pigeon Feed	G	12.0	3.0	3.0	3.0
	F	14.2	<u>2.3</u>	2.8	1.7

<u>California Milling Corporation</u> <u>Los Angeles, California</u>					
Ace-Hi Pigeon Feed	G	11.0	2.0	4.0	3.0
	F	14.3	2.5	3.0	1.8

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>General Mills, Inc.</u>					
<u>Honolulu, Hawaii</u>					
Larro Surepigeon	G	14.0	2.0	3.5	2.0
	F	13.3	2.1	3.1	1.9
Larro Surepigeon	G	14.0	2.0	3.5	2.0
	F	13.2	2.2	3.1	1.9
<u>Milkiewā Feed Mills</u>					
<u>Milwaukie, Oregon</u>					
Milkiewā Pigeon Feed	G	13.0	2.5	4.0	3.0
	F	13.0	2.5	3.2	1.9
<u>Ralston Purina Company</u>					
<u>St. Louis, Missouri</u>					
Purina Game Bird Growena	G	20.0	3.0	6.0	9.0
	F	20.0	3.4	4.3	7.3
Purina Pigeon Chow Checkers	G	15.0	2.5	4.0	6.5
	F	15.8	4.0	3.2	7.8
<u>Fred L. Waldron, Ltd.</u>					
<u>Honolulu, Hawaii</u>					
Waldron's Pigeon Feed	G	10.0	2.0	4.0	4.0
	F	15.0	2.1	3.2	1.9
Waldron's Pigeon Feed	G	10.0	2.0	4.0	4.0
	F	13.7	2.2	2.9	2.0
Waldron's Pigeon Feed	G	10.0	2.0	4.0	4.0
	F	14.3	2.3	3.2	1.9
Waldron's Pigeon Feed	G	10.0	2.0	4.0	4.0
	F	16.1	2.4	2.9	2.0

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash

HORSE FEEDS

California Milling Corporation
Los Angeles, California

Special Horse Mix	G	9.0	2.5	9.0	4.0
	F	11.5	3.3	6.5	2.7

General Mills, Inc.
Honolulu, Hawaii

Larro Horse Feed	G	12.0	3.0	9.5	7.5
	F	11.7	3.5	8.6	6.0

Larro Horse Feed	G	12.0	3.0	9.5	7.5
	F	12.4	4.6	9.2	5.5

Ralston Purina Company
St. Louis, Missouri

Purina Omolene	G	10.0	3.0	9.0	6.0
	F	11.8	3.1	6.2	4.5

MINERAL FEEDS

Manufacturer and Brand Name	G*	Percent Composition		
	F*	Cal-cium	Phos-phorus	NaCl

Beckley Commercial Feed Yard
Linden, California

Star Hawaiian Mineral	G	15.0	7.8	22.0
	F	17.2	6.8	-

Pacific Chemical and Fertilizer Company
Honolulu, Hawaii

Gaviota Beef Builder Mineral	G	18.6	11.0	18.0
Supplement No. 100	F	19.3	11.7	17.2

Vit-A-Way, Inc.
Fort Worth, Texas

Vit-A-Way Mineral Vitamin Fortifier	G	22.0	7.0	-
	F	22.3	6.7	-

* G - guarantee; F - found

TABLE 5. TABULATION OF MEDICATED FEED SAMPLES
ANALYZED FROM JANUARY 1 TO DECEMBER 31, 1961

Manufacturer and Brand Name	G*	Percent Composition
	F*	Acetyl- (para-Nitrophenyl) - Sulfanilamide
<u>Albers Milling Company</u> <u>Los Angeles, California</u>		
Albers Broiler Finisher, Medicated	G	0.030
	F	0.028
Albers Broiler Finisher, Medicated	G	0.030
	F	0.031
Albers Broiler Finisher, Medicated	G	0.030
	F	0.028
Albers Broiler Finisher, Medicated	G	0.030
	F	0.032
Albers Broiler Finisher, Medicated	G	0.030
	F	0.028
Albers Broiler Finisher, Medicated	G	0.030
	F	0.030
Albers Broiler Ration, Medicated	G	0.030
	F	0.030
Albers Broiler Ration, Medicated	G	0.030
	F	0.032
Albers Broiler Ration, Medicated	G	0.030
	F	0.026
Albers Broiler Starter, Medicated	G	0.030
	F	0.031
Albers Broiler Starter, Medicated	G	0.030
	F	0.029
Albers Broiler Starter, Medicated	G	0.030
	F	0.030

* G - guarantee; F - found

Manufacturer and Brand Name	G* F*	Percent Composition
		Acetyl- (para-Nitrophenyl) - Sulfanilamide
Albers Broiler Starter, Medicated	G	0.030
	F	0.030
Albers Broiler Starter, Medicated	G	0.030
	F	0.033
Albers Broiler Starter, Medicated	G	0.030
	F	0.031
Albers Broiler Starter, Medicated	G	0.030
	F	0.031
Albers Chick Starter Mash, Medicated	G	0.030
	F	0.023
Albers Chick Starter Mash, Medicated	G	0.030
	F	0.032
Albers Chick Starter Mash, Medicated	G	0.030
	F	0.029
Albers Chick Starter Mash, Medicated	G	0.030
	F	0.030
Albers Chick Starter Mash, Medicated	G	0.030
	F	0.028
Albers Chick Starter Pakettes, Medicated	G	0.030
	F	0.028
Albers Chick Starter Pakettes, Medicated	G	0.030
	F	0.031
Albers Chick Starter Pakettes, Medicated	G	0.030
	F	0.030
Albers Medicated Potent-E-Ade Mash	G	0.030
	F	0.030
Albers Medicated Potent-E-Ade Mash	G	0.030
	F	0.030

* G - guarantee; F - found

Manufacturer and Brand Name	G* F*	Percent Composition
		Acetyl- (para-Nitrophenyl) - Sulfanilamide
Albers Medicated Potent-E-Ade Mash	G	0.030
	F	0.032
Albers Medicated Potent-E-Ade Mash	G	0.030
	F	0.030
Albers Medicated Potent-E-Ade Mash	G	0.030
	F	0.028
Albers Pullet Finisher 16%, Medicated	G	0.030
	F	0.029
Albers Pullet Finisher 16%, Medicated	G	0.030
	F	0.031
Albers Pullet Finisher 16%, Medicated	G	0.030
	F	0.028
Albers Pullet Finisher 16%, Medicated	G	0.030
	F	0.029
Albers Pullet Finisher 16%, Medicated	G	0.030
	F	0.029
Albers Pullet Finisher 16%, Medicated	G	0.030
	F	0.032
Albers Pullet Maker, Medicated	G	0.030
	F	0.031
Albers Pullet Maker, Medicated	G	0.030
	F	0.031
Albers Pullet Maker, Medicated	G	0.030
	F	0.028
Albers Pullet Maker, Medicated	G	0.030
	F	0.036
Albers Pullet Maker, Medicated	G	0.030
	F	0.028

* G - guarantee; F - found

Manufacturer and Brand Name	G* F*	Percent Composition
		Acetyl- (para-Nitrophenyl) - Sulfanilamide
Albers Pullet Maker, Medicated	G	0.030
	F	0.022
Albers Pullet Maker, Medicated	G	0.030
	F	0.031
Albers Pullet Maker, Medicated	G	0.030
	F	0.030
Albers Turkey Starter, Medicated	G	0.030
	F	0.034

Manufacturer and Brand Name	G* F*	Percent Composition
		p-Arsanilic Acid

Albers Milling Company
Los Angeles, California

Albers Pig and Sow Ration, Medicated for Swine Only	G	0.01
	F	0.007
Albers Pig and Sow Ration, Medicated for Swine Only	G	0.01
	F	0.011
Albers Pig and Sow Ration, Medicated for Swine Only	G	0.01
	F	0.009
Albers Pig and Sow Ration, Medicated for Swine Only	G	0.01
	F	0.009
Albers Pig and Sow Ration, Medicated for Swine Only	G	0.01
	F	0.011
Albers Pig Maker, Medicated for Swine Only	G	0.01
	F	0.008
Albers Pig Maker, Medicated for Swine Only	G	0.01
	F	0.013

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition
	F*	p-Arsanilic Acid
Albers Pig Maker, Medicated for Swine Only	G F	0.01 0.009
Albers Pig Maker, Medicated for Swine Only	G F	0.01 0.009
Albers Pig Maker, Medicated for Swine Only	G F	0.01 0.009
Albers Sweet Pak Pig Starter, Medicated for Swine Only	G F	0.01 0.008
<u>General Mills, Inc.</u> <u>Honolulu, Hawaii</u>		
Surepork Complete Special, Medicated	G F	0.01 0.002
Larro Surepork Finisher Complete (AGS), Medicated	G F	0.01 0.002
Larro Surepork Finisher Complete (AGS), Medicated	G F	0.01 0.001
Larro Surepork Grower Complete (AGS), Medicated	G F	0.01 0.001
Larro Surepork Grower Complete (AGS-HYG), Medicated	G F	0.01 0.002
<u>The Quaker Oats Company</u> <u>Chicago, Illinois</u>		
Ful-O-Pep Gro Pork (280K) M, Medicated	G F	0.01 0.007
Ful-O-Pep Pig Grower (KP) M, Medicated for Swine Only	G F	0.01 0.007
Ful-O-Pep Pig Starter (KP) M, Medicated for Swine Only	G F	0.01 0.006

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition
	F*	Furazolidone
<u>Albers Milling Company</u> <u>Los Angeles, California</u>		
Albers Medicated Korect	G	0.011
	F	0.004
Albers Medicated Korect	G	0.011
	F	0.005
<u>California Milling Corporation</u> <u>Los Angeles, California</u>		
Ace-Hi 300 G Kracketts	G	0.011
	F	0.007
<u>Fisher Flouring Mills Company</u> <u>Seattle, Washington</u>		
Fisher's Broiler Finisher Krumbles, Medicated	G	0.0008
	F	0.003
Fisher's Commercial Broiler & Starter Krumbles (Medicated)	G	0.0008
	F	0.002
Fisher's Developer Complete Krumbles, Medicated	G	0.0008
	F	0.003
Fisher's Developer Complete Krumbles, Medicated	G	0.0008
	F	0.004
Fisher's Developer Complete Krumbles, Medicated	G	0.0008
	F	0.0042
Fisher's Medicated Booster Krumbles	G	0.011
	F	0.005
Fisher's Savetime Chick Krumbles, Medicated	G	0.0008
	F	0.004
Fisher's Savetime Chick Krumbles, Medicated	G	0.0008
	F	0.004

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition
	F*	Furazolidone
<u>General Mills, Inc.</u>		
<u>Honolulu, Hawaii</u>		
Larro Medicated Surelift 27%	G	0.011
	F	0.004
Larro Surelay Complete "H. E. "	G	0.00275
(0.00275 FRZ), Medicated	F	0.0012
Larro Surerabbit (FRZ), Medicated	G	0.0055
with 2% Bentonite	F	0.0023
Larro Surerabbit (FRZ), Medicated	G	0.0055
with 2% Bentonite	F	0.0025
<u>The Quaker Oats Company</u>		
<u>Chicago, Illinois</u>		
Ful-O-Pep Chick Starter (BC) M,	G	0.0055
Medicated	F	0.002
Ful-O-Pep Chick Starter (BC) M,	G	0.0008
Medicated	F	0.0047
Ful-O-Pep Medicated Broiler Bracer	G	0.011
(C2D1) M	F	0.004
Ful-O-Pep Pullet Developer (BC) M	G	0.0008
with 35% Oat Mill By-Product	F	0.002
Ful-O-Pep Rabbit Ration (C4) M,	G	0.0055
Medicated	F	0.002

*G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition
	F*	Nicarbazin

General Mills, Inc.
Honolulu, Hawaii

Larro 0.007% Dienstrol Diacetate Mix	G	0.01
in Sureroaster 16 (NCB-AGS),	F	0.005
Medicated		
Larro 0.007% Dienstrol Diacetate Mix	G	0.01
in Sureroaster 16 (NCB-AGS),	F	0.009
Medicated		

Manufacturer and Brand Name	G*	Percent Composition
	F*	3-Nitro- 4-Hydroxyphenyl Arsonic Acid

Albers Milling Company
Los Angeles, California

Albers Chick Starter Pakettes, Medicated	G	0.005
	F	0.0065

General Mills, Inc.
Honolulu, Hawaii

Larro Medicated Surestart (AGS)	G	0.0025
	F	0.0026
Larro Surepig (AGS-HYG), Medicated	G	0.0025
	F	0.0026
Larro Surepork Grower Complete	G	0.0025
(AGS-HYG), Medicated	F	0.0032
Larro Surepork Grower Complete	G	0.0025
(AGS-HYG), Medicated	F	0.0032

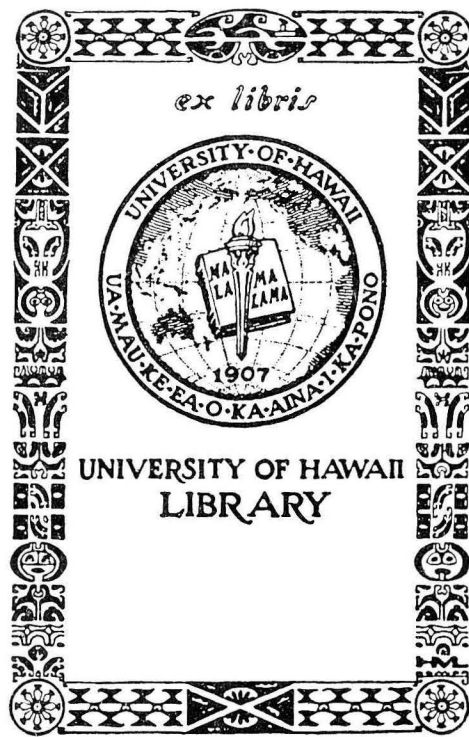
Ralston Purina Company
St. Louis, Missouri

Purina Pig Growena, Medicated	G	0.0025
	F	0.0026

* G - guarantee; F - found

Manufacturer and Brand Name	G*	Percent Composition
	F	Sulfaquinoxaline
<u>California Milling Corporation</u> <u>Los Angeles, California</u>		
Ace-Hi Sulfaquinoxaline Mixture, Ace-Hi Broiler and Fryer	G	0.015
	F	0.016
Ace-Hi Quik Gro Mash, Ace-Hi's Sulfaquinoxaline Mixture	G	0.015
	F	0.008
Ace-Hi Quik Gro Mash, Ace-Hi's Sulfaquinoxaline Mixture	G	0.015
	F	0.018

* G - guarantee; F - found



**UNIVERSITY OF HAWAII
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